

Market Expansion  
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## Fine Chemical Products



**dottikon**

EXCLUSIVE  
SYNTHESIS

Your Specialist for Hazardous Reactions.



## **DOTTIKON EXCLUSIVE SYNTHESIS AG**

### **Your Specialist for Hazardous Reactions.**

DOTTIKON ES manufactures high-quality performance chemicals, intermediates and exclusive active pharmaceutical ingredients (APIs) for the world's leading chemical and pharmaceutical industry. The company with its production site in Dottikon (Aargau, Switzerland) is specialized in hazardous reactions and is positioning itself as strategic development and manufacturing partner. Its safety culture created over the last 100 years guides innovative use of hazardous reactions, low-temperature and high-pressure chemistry, as well as continuous processing. This shortens conventional chemical synthesis routes, increases yields, selectivities and purities, and reduces waste. The versatile technology and equipment portfolio is used to design, develop and optimize chemical processes, and scale up from kilograms to multi-tons.

DOTTIKON ES' one-site strategy allows reduced decision and communication pathways. This ensures rapid and efficient project development as well as clear and transparent communication with customers.

Broad process development experience and technological expertise enables us to offer high-quality chemicals and intermediates, including

- Amines
- Anilines
- Azaindoles
- Benzimidazoles
- Benzoic acid derivatives
- Benzyl compounds
- Boron building blocks
- Chiral compounds
- Cyclohexane derivatives
- Cyclopropyl building blocks
- Indazoles
- Indoles
- N-Heterocycles (various)
- Nitrate esters
- Nitroaromatic compounds
- O-Heterocycles (various)
- Phenols and anisoles
- Pyridine building blocks

## Core Competencies

### Cross Coupling Reactions

- Suzuki-Miyaura
  - Heck
  - Sonogashira
  - Stille
  - Kumada
  - Negishi
- 

### Hazardous Reactions

- Azide chemistry ( $\text{NaN}_3$ , organic azides such as DPPA)
  - Bromination ( $\text{Br}_2$ ,  $\text{POBr}_3$ ,  $\text{PBr}_3$ , NBS)
  - Chlorination ( $\text{Cl}_2$ ,  $\text{SOCl}_2$ ,  $\text{SO}_2\text{Cl}_2$ ,  $\text{POCl}_3$ ,  $\text{PCl}_3$ ,  $\text{PCl}_5$ , NCS, oxalyl chloride,  $\text{C}_2\text{Cl}_6$ )
  - Cyanation ( $\text{NaCN}$ ,  $\text{HCN}$  [in-situ])
  - Diazotation (nitrous acid [ $\text{HONO}$ ], ethyl diazoacetate [EDA], Bestmann-Ohira reagent)
  - Hydrazine chemistry ( $\text{NH}_2\text{NH}_2$ , alkyhydrazines)
  - Hydride reduction ( $\text{LiAlH}_4$ ,  $\text{AlH}_2\text{R}_2$ ,  $\text{BH}_3$ ,  $\text{Na}^+[\text{H}_3\text{BCN}]^-$ ,  $\text{NaH}$ ,  $\text{NaBH}_4$ )
  - Iodination ( $\text{I}_2$ ,  $\text{NaI}$ )
  - Methylation ( $\text{Me}_2\text{SO}_4$ ,  $\text{MeI}$ )
  - Nitration (see details below)
  - Nitroaldol reaction ( $\text{MeNO}_2$ ,  $\text{EtNO}_2$ )
  - Organometallic chemistry (Grignard,  $\text{BuLi}$ ,  $\text{HexLi}$ ,  $\text{LDA}$ ,  $\text{LiHMDS}$ )
  - Oxidation ( $\text{HNO}_3$ ,  $\text{KMnO}_4$ , *m*CPBA, DDQ, air,  $\text{H}_2\text{O}_2$ , [*t*- $\text{BuO}$ ] $_2$ , peracids)
  - Thiophosgenation ( $\text{CSCl}_2$ )
  - Miscellaneous (EDA (Ethyl diazoacetate), Epichlorohydrine,  $\text{P}_2\text{O}_5$ , HOBT (hydroxybenzotriazole), DIAD (diisopropylazodicarboxylate))
- 

### Heterocycle Synthesis

- Benzimidazoles
  - Benzofuranes
  - Indazoles and indoles
  - Isoquinolines and quinolines
  - Purine analogs
  - Triazoles and tetrazoles
- 

### High-pressure Chemistry

- Catalytic hydrogenation
    - Heterogeneous (screenings of >400 catalysts)
    - Homogeneous
    - Enantioselective
  - Carbon monoxide/dioxide
  - Hydroformylation
  - $\text{H}_2$ ,  $\text{CO}$ ,  $\text{CO}_2$ ,  $\text{NO}$ ,  $\text{NH}_3$ ,  $\text{HNR}_2$
- 

### Low-temperature Chemistry

- Metalorganic transformations
  - Selective oxidations and hydrogenations
  - Boronic acid synthesis
  - Cryogenic quenching
- 

### Nitration

- Aromatic nitration (conc.  $\text{HNO}_3$ ,  $\text{HNO}_3/\text{H}_2\text{SO}_4$ , glacial  $\text{HNO}_3/\text{AcOH}$ )
  - Continuous nitration technology
  - Nitrate ester formation
- 

### Separation and Drying under cGMP

- Stereoisomer separation by fractionated crystallization
- Filtration and centrifugation on all scales
- Distillation (0.1–50  $\text{m}^3$ ; columns up to 80 theoretical plates)
- Drying on large scale (up to 6  $\text{m}^3$ )

# More than 100 Reactions on Large Scale

## Typical Reactions

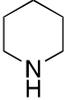
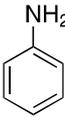
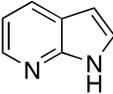
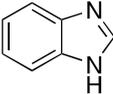
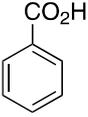
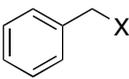
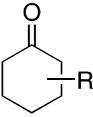
- Alkoxylation
- Alkylation
- Aromatic substitution
- Baeyer-Villiger oxidation
- Beckmann rearrangement
- Benzidine rearrangement
- Boronic acid synthesis
- Cannizzaro reaction
- Carbamoylation
- Chiral chemistry
- Chlorosulfonation
- Claisen condensation
- Cross coupling
- Curtius rearrangement
- Cycloaddition
- Cyclocondensation
- Darzens synthesis
- Dealkylation
- Decarboxylation
- Dehalogenation
- Diazonium chemistry
- Dieckmann condensation
- Diels-Alder reaction
- Doebner-Knoevenagel condensation
- Enantioselective reactions
- Epoxidation
- Esterification
- Ether formation
- Finkelstein reaction
- Indole synthesis
- Formylation
- Gabriel synthesis
- Halide exchange
- Halogenation
- Hemetsberger reaction
- Hofmann rearrangement
- Hydrolysis
- Hydrogenation
- Hydrosilylation
- Isomerization
- Ketalization
- Liquid-ammonia reactions
- Lithiation
- Mannich reaction
- Mesylation
- Metal complexation
- Methylation
- Michael addition
- Mitsunobu reaction
- Nef reaction
- Nitration
- Optical resolution
- *ortho*-Directed metallation
- Oxidation
- Oxime formation
- Phase-transfer reactions
- Pictet-Spengler reaction
- Pinner reaction
- Reduction
- Reductive coupling
- Reductive cyclization
- Robinson annulation
- Rosenmund reduction
- Sandmeyer reaction
- Schiff-base reduction
- Schotten-Baumann reaction
- Skraup synthesis
- Solid acid catalysis
- Strecker synthesis
- Substitution reactions
- Sulfonation
- Sulfoxidation
- Tosylation
- Transesterification
- Ullmann coupling
- Vilsmeier-Haack reaction
- Wacker oxidation
- Wittig reaction
- Wohl-Ziegler reactions
- ...



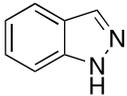
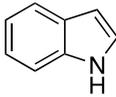
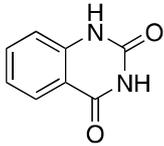
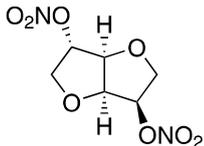
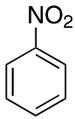
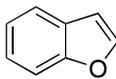
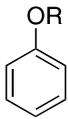
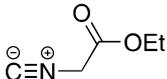
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## Product Groups

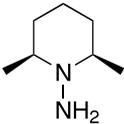
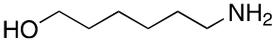
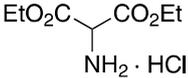
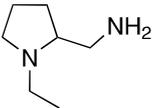
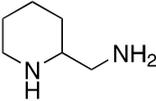
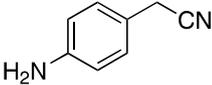
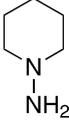
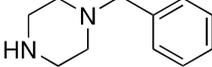
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## Product Groups

Structure	Product Group Name	Page
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	Pyridine Building Blocks	47–48
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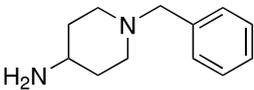
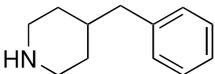
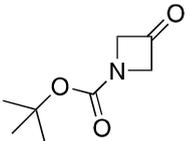
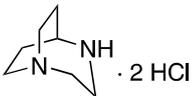
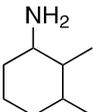
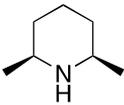
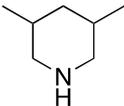
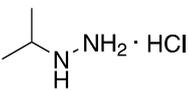
## Product

### Amines (1/3)

Structure	Product Name	CAS
	<i>cis</i> -1-Amino-2,6-dimethylpiperidine ( <i>Z</i> )- <i>N</i> -Amino-2,6-dimethylpiperidine	61147-58-8
	6-Amino-1-hexanol	4048-33-3
	Aminomalonic acid diethyl ester hydrochloride Diethyl aminomalonate hydrochloride	13433-00-6
	2-(Aminomethyl)-1-ethylpyrrolidine <i>N</i> -Ethyl-2-aminomethylpyrrolidine	26116-12-1
	2-(Aminomethyl)piperidine 2-Piperidinemethylamine	22990-77-8
	2-(4-Aminophenyl)acetonitrile 4-Aminophenylacetonitrile	3544-25-0
	1-Aminopiperidine 1-Piperidinamine	2213-43-6
	1-Benzylpiperazine	2759-28-6

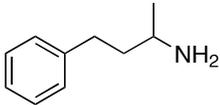
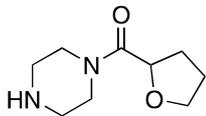
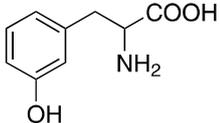
# Product

## Amines (2/3)

Structure	Product Name	CAS
	1-Benzyl-4-piperidinamine 4-Amino-1-benzylpiperidine	50541-93-0
	4-Benzylpiperidine	31252-42-3
	1-Boc-azetidin-3-one <i>tert</i> -Butyl 3-oxoazetidine-1-carboxylate <i>N</i> -Boc-azetidin-3-one	398489-26-4
	1,4-Diazabicyclo[3.2.2]nonane dihydrochloride	150208-70-1
	2,3-Dimethylcyclohexylamine 2,3-Dimethylcyclohexanamine	42195-92-6
	<i>cis</i> -2,6-Dimethylpiperidine	766-17-6
	3,5-Dimethylpiperidine 3,5-Lupetidine ( <i>cis:trans</i> $\approx$ 83:17)	35794-11-7
	Isopropylhydrazine hydrochloride	16726-41-3

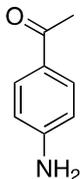
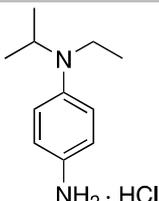
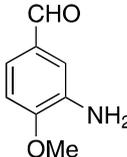
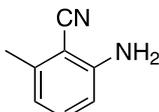
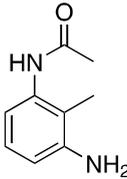
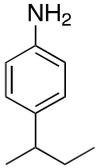
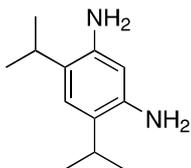
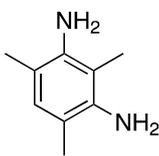
## Product

### Amines (3/3)

Structure	Product Name	CAS
 <chem>CN(C)CCc1ccccc1</chem>	1-Methyl-3-phenylpropylamine 4-Phenyl-2-butylamine	22374-89-6
 <chem>O=C1OCCO1N2CCNCC2</chem>	1-(Tetrahydro-2-furoyl)piperazine THF-Piperazine	63074-07-7
 <chem>NC(C(=O)O)Cc1ccc(O)cc1</chem>	DL- <i>m</i> -Tyrosine 3-(3-Hydroxyphenyl)-DL-alanine	775-06-4

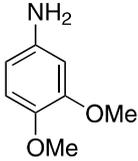
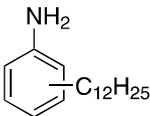
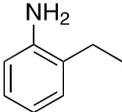
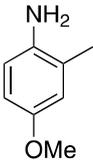
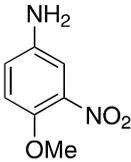
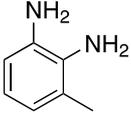
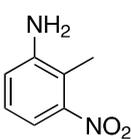
# Product

## Anilines (1/3)

Structure	Product Name	CAS
	4-Aminoacetophenone 1-(4-Aminophenyl)ethanone 4-Acetylaniline	99-92-3
	4-Amino- <i>N</i> -ethyl- <i>N</i> -isopropylaniline hydrochloride <i>N</i> -Ethyl- <i>N</i> -isopropyl- <i>para</i> -phenylenediamine hydrochloride	91215-79-1
	3-Amino-4-methoxybenzaldehyde	351003-10-6
	2-Amino-6-methylbenzonitrile	56043-01-7
	<i>N</i> -(3-Amino-2-methylphenyl)acetamide 3-Amino-2-methylacetanilide	65999-76-0
	4- <i>sec</i> -Butylaniline	30273-11-1
	1,3-Diamino-4,6-diisopropylbenzene 4,6-Bis-(1-methylethyl)-1,3-benzenediamine	3102-71-4
	2,4-Diamino-1,3,5-trimethylbenzene 2,4-Diaminomesitylene 2,4,6-Trimethyl- <i>meta</i> -phenylenediamine	3102-70-3

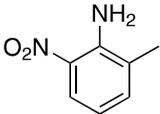
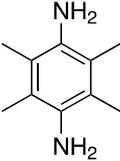
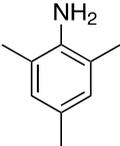
# Product

## Anilines (2/3)

Structure	Product Name	CAS
	3,4-Dimethoxyaniline 4-Aminocatechol dimethyl ether	6315-89-5
	Dodecylaniline (Isomeric mixture)	68411-48-3
	2-Ethylaniline	578-54-1
	4-Ethylaniline	589-16-2
	4-Methoxy-2-methylaniline 2-Methyl- <i>para</i> -anisidine	102-50-1
	4-Methoxy-3-nitroaniline 3-Nitro- <i>para</i> -anisidine	577-72-0
	3-Methyl-1,2-benzenediamine 2,3-Diaminotoluene (30% or 50% in toluene)	2687-25-4
	2-Methyl-3-nitroaniline 3-Nitro- <i>ortho</i> -toluidine	603-83-8

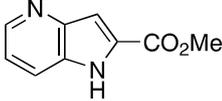
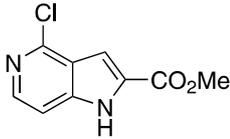
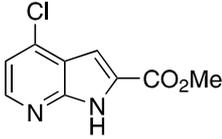
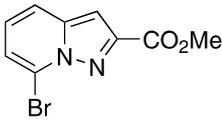
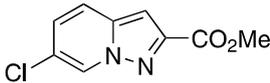
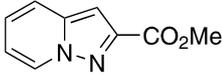
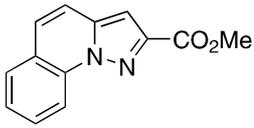
## Product

### Anilines (3/3)

Structure	Product Name	CAS
	2-Methyl-6-nitroaniline 6-Nitro- <i>ortho</i> -toluidine	570-24-1
	2,3,5,6-Tetramethyl-1,4-benzenediamine 3,6-Diaminodurene 2,3,5,6-Tetramethyl- <i>para</i> -phenylenediamine	3102-87-2
	2,4,6-Trimethylaniline Mesidine	88-05-1

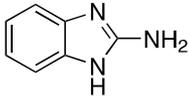
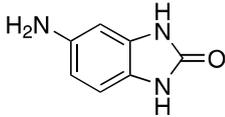
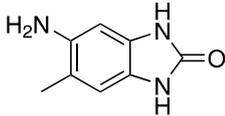
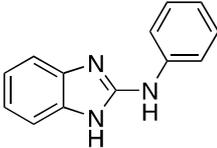
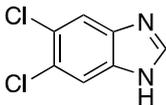
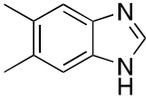
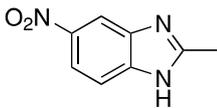
# Product

## Azaindoles

Structure	Product Name	CAS
	4-Azaindole-2-carboxylic acid methyl ester 1 <i>H</i> -Pyrrolo[3,2- <i>b</i> ]pyridine-2-carboxylic acid methyl ester	394223-19-9
	4-Chloro-5-azaindole-2-carboxylic acid methyl ester 4-Chloro-1 <i>H</i> -pyrrolo[3,2- <i>c</i> ]pyridine-2-carboxylic acid methyl ester	688357-19-9
	4-Chloro-7-azaindole-2-carboxylic acid methyl ester 4-Chloro-1 <i>H</i> -pyrrolo[2,3- <i>b</i> ]pyridine-2-carboxylic acid methyl ester	871583-23-2
	7-Bromopyrazolo[1,5- <i>a</i> ]pyridine-2-carboxylic acid methyl ester	–
	6-Chloropyrazolo[1,5- <i>a</i> ]pyridine-2-carboxylic acid methyl ester	1222709-26-3
	Pyrazolo[1,5- <i>a</i> ]pyridine-2-carboxylic acid methyl ester	151831-21-9
	Pyrazolo[1,5- <i>a</i> ]quinoline-2-carboxylic acid methyl ester	–

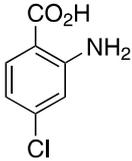
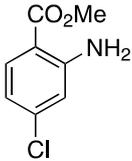
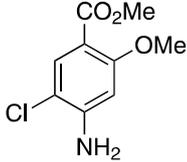
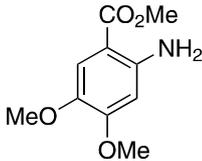
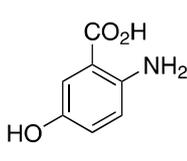
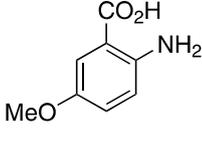
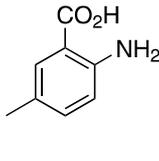
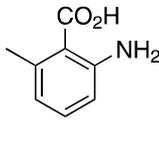
# Product

## Benzimidazoles

Structure	Product Name	CAS
	2-Amino-1 <i>H</i> -benzimidazole 2-Aminobenzimidazole 1 <i>H</i> -Benzo[ <i>d</i> ]imidazol-2-amine	934-32-7
	5-Amino-1,3-dihydro-2 <i>H</i> -benzimidazol-2-one 5-Amino-1,3-dihydrobenzimidazol-2-one 5-Amino-2-benzimidazolinone	95-23-8
	5-Amino-6-methyl-1,3-dihydro-2 <i>H</i> -benzimidazol-2-one 5-Amino-6-methyl-1,3-dihydrobenzimidazol-2-one 5-Amino-6-methyl-2-benzimidazolinone	67014-36-2
	2-Anilino-1 <i>H</i> -benzimidazole 2-Anilinobenzimidazole 2-Phenylamino-1 <i>H</i> -benzimidazole	21578-58-5
	5,6-Dichloro-1 <i>H</i> -benzimidazole 5,6-Dichlorobenzimidazole 5,6-Dichloro-1 <i>H</i> -benzo[ <i>d</i> ]imidazole	6478-73-5
	5,6-Dimethyl-1 <i>H</i> -benzimidazole 5,6-Dimethylbenzimidazole 5,6-Dimethyl-1 <i>H</i> -benzo[ <i>d</i> ]imidazole	582-60-5
	2-Methyl-5-nitro-1 <i>H</i> -benzimidazole 2-Methyl-5-nitrobenzimidazole 2-Methyl-5-nitro-1 <i>H</i> -benzo[ <i>d</i> ]imidazole	1792-40-1

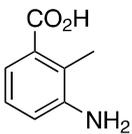
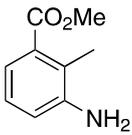
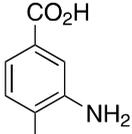
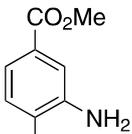
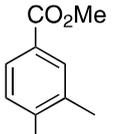
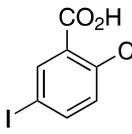
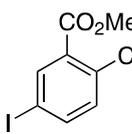
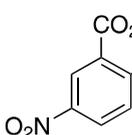
## Product

### Benzoic Acid Derivatives (1/4)

Structure	Product Name	CAS
	2-Amino-4-chlorobenzoic acid 4-Chloroanthranilic acid	89-77-0
	2-Amino-4-chlorobenzoic acid methyl ester 4-Chloroanthranilic acid methyl ester	5900-58-3
	4-Amino-5-chloro-2-methoxybenzoic acid methyl ester	108282-38-8
	2-Amino-4,5-dimethoxybenzoic acid methyl ester 4,5-Dimethoxyanthranilic acid methyl ester 6-Aminoveratric acid methyl ester	26759-46-6
	2-Amino-5-hydroxybenzoic acid 5-Hydroxyanthranilic acid	394-31-0
	2-Amino-5-methoxybenzoic acid 6-Amino- <i>meta</i> -anthranilic acid	6705-03-9
	2-Amino-5-methylbenzoic acid 6-Amino- <i>meta</i> -toluic acid	2941-78-8
	2-Amino-6-methylbenzoic acid 6-Amino- <i>ortho</i> -toluic acid	4389-50-8

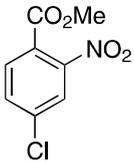
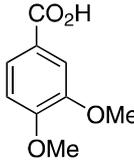
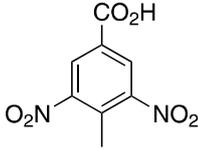
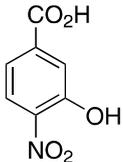
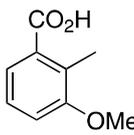
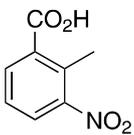
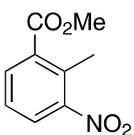
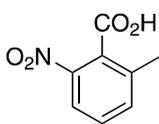
## Product

### Benzoic Acid Derivatives (2/4)

Structure	Product Name	CAS
	3-Amino-2-methylbenzoic acid 3-Amino- <i>ortho</i> -toluic acid	52130-17-3
	3-Amino-2-methylbenzoic acid methyl ester 3-Amino- <i>ortho</i> -toluic acid methyl ester	18583-89-6
	3-Amino-4-methylbenzoic acid 3-Amino- <i>para</i> -toluic acid	2458-12-0
	3-Amino-4-methylbenzoic acid methyl ester 3-Amino- <i>para</i> -toluic acid methyl ester	18595-18-1
	4-Amino-3-methylbenzoic acid methyl ester 4-Amino- <i>meta</i> -toluic acid methyl ester	18595-14-7
	2-Chloro-5-iodobenzoic acid	19094-56-5
	2-Chloro-5-iodobenzoic acid methyl ester	620621-48-9
	2-Chloro-5-nitrobenzoic acid	2516-96-3

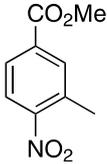
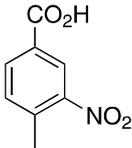
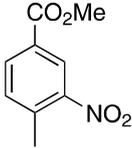
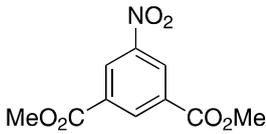
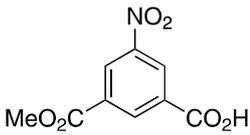
## Product

### Benzoic Acid Derivatives (3/4)

Structure	Product Name	CAS
	4-Chloro-2-nitrobenzoic acid methyl ester	42087-80-9
	3,4-Dimethoxybenzoic acid Veratric acid	93-07-2
	3,5-Dinitro-4-methylbenzoic acid 3,5-Dinitro- <i>para</i> -toluic acid	16533-71-4
	3-Hydroxy-4-nitrobenzoic acid	619-14-7
	3-Methoxy-2-methylbenzoic acid 3-Methoxy- <i>ortho</i> -toluic acid	55289-06-0
	2-Methyl-3-nitrobenzoic acid 3-Nitro- <i>ortho</i> -toluic acid	1975-50-4
	2-Methyl-3-nitrobenzoic acid methyl ester 3-Nitro- <i>ortho</i> -toluic acid methyl ester	59382-59-1
	2-Methyl-6-nitrobenzoic acid 6-Nitro- <i>ortho</i> -toluic acid	13506-76-8

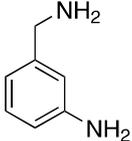
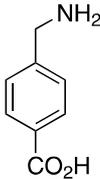
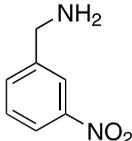
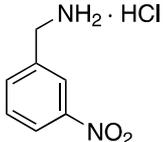
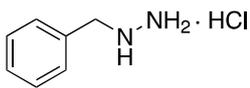
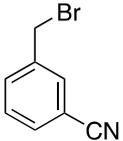
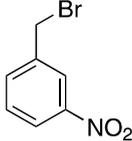
## Product

### Benzoic Acid Derivatives (4/4)

Structure	Product Name	CAS
	3-Methyl-4-nitrobenzoic acid methyl ester 4-Nitro- <i>meta</i> -toluic acid methyl ester	24078-21-5
	4-Methyl-3-nitrobenzoic acid 3-Nitro- <i>para</i> -toluic acid	96-98-0
	4-Methyl-3-nitrobenzoic acid methyl ester 3-Nitro- <i>para</i> -toluic acid methyl ester	7356-11-8
	5-Nitroisophthalic acid dimethyl ester	13290-96-5
	5-Nitroisophthalic acid monomethyl ester	1955-46-0

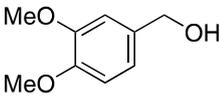
# Product

## Benzyl Compounds (1/2)

Structure	Product Name	CAS
	3-(Aminomethyl)aniline 3-Aminobenzylamine	4403-70-7
	4-(Aminomethyl)benzoic acid	56-91-7
	3-(Aminomethyl)nitrobenzene 3-Nitrobenzylamine	7409-18-9
	3-(Aminomethyl)nitrobenzene hydrochloride 3-Nitrobenzylamine hydrochloride	26177-43-5
	Benzylhydrazine hydrochloride	1073-62-7
	2-(Bromomethyl)benzonitrile 2-Cyanobenzyl bromide	22115-41-9
	3-(Bromomethyl)benzonitrile 3-Cyanobenzyl bromide	28188-41-2
	1-(Bromomethyl)-3-nitrobenzene 3-Nitrobenzyl bromide	3958-57-4

## Product

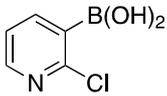
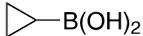
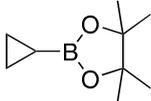
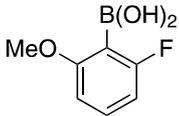
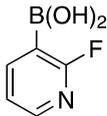
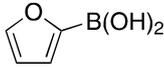
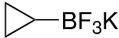
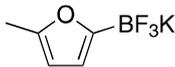
### Benzyl Compounds (2/2)

Structure	Product Name	CAS
 <chem>COc1ccc(CO)cc1OC</chem>	3,4-Dimethoxybenzyl alcohol 3,4-Dimethoxybenzenemethanol Veratryl alcohol	93-03-8

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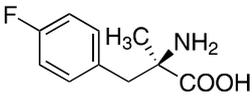
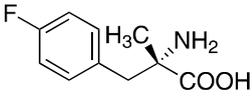
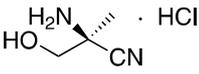
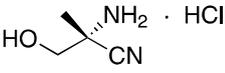
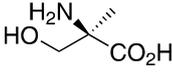
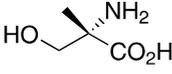
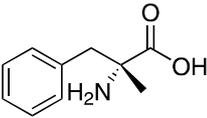
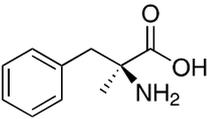
# Product

## Boron Building Blocks

Structure	Product Name	CAS
	(2-Chloro-3-pyridinyl)boronic acid 2-Chloro-3-pyridineboronic acid	381248-04-0
	Cyclopropylboronic acid Cyclopropylboranediol	411235-57-9
	2-Cyclopropyl-4,4,5,5-tetramethyl-1,3,2-dioxaborolane Cyclopropylboronic acid pinacol ester	126689-01-8
	2-Fluoro-6-methoxybenzeneboronic acid 2-Fluoro-6-methoxyphenylboronic acid	78495-63-3
	(2-Fluoro-3-pyridinyl)boronic acid 2-Fluoro-3-pyridineboronic acid	174669-73-9
	2-Furanboronic acid	13331-23-2
	Potassium cyclopropyl-1-trifluoroborate	1065010-87-8
	Potassium 5-methylfuran-2-trifluoroborate Potassium 5-methylfuran-2-yltrifluoroborate	1111213-54-7

# Product

## Chiral Compounds (1/4)

Structure	Product Name	CAS
	( <i>R</i> )-2-Amino-3-(4-fluorophenyl)-2-methylpropanoic acid H-4-fluoro- $\alpha$ -Me-D-Phe-OH	422568-68-1
	( <i>S</i> )-2-Amino-3-(4-fluorophenyl)-2-methylpropanoic acid H-4-fluoro- $\alpha$ -Me-Phe-OH	130855-57-1
	( <i>R</i> )-2-Amino-3-hydroxy-2-methyl-propanenitrile hydrochloride (CAS number corresponds to the free base of the racemate)	122556-12-1
	( <i>S</i> )-2-Amino-3-hydroxy-2-methyl-propanenitrile hydrochloride (CAS number corresponds to the free base of the racemate)	122556-12-1
	( <i>R</i> )-2-Amino-3-hydroxy-2-methylpropanoic acid (-)-2-Methyl-D-serine H- $\alpha$ -Me-D-Ser-OH	81132-44-7
	( <i>S</i> )-2-Amino-3-hydroxy-2-methylpropanoic acid (+)-2-Methyl-L-serine H- $\alpha$ -Me-Ser-OH	16820-18-1
	( <i>R</i> )-(+)-2-Amino-2-methyl-3-phenylpropanoic acid ( <i>R</i> )- $\alpha$ -Methylphenylalanine	17350-84-4
	( <i>S</i> )-(-)-2-Amino-2-methyl-3-phenylpropanoic acid ( <i>S</i> )- $\alpha$ -Methylphenylalanine	23239-35-2

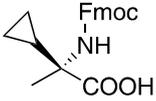
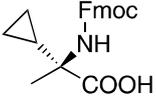
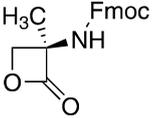
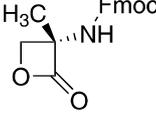
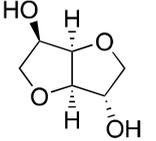
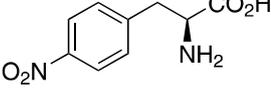
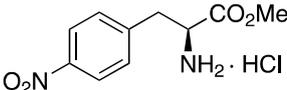
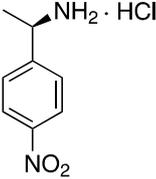
# Product

## Chiral Compounds (2/4)

Structure	Product Name	CAS
	( <i>R</i> )-1-Carboxy-1-cyclopropylethan-1-aminium chloride H- $\alpha$ -cyclopropyl-Ala-OH • HCl (CAS number corresponds to the salt free compound)	1130070-45-9
	( <i>S</i> )-1-Carboxy-1-cyclopropylethan-1-aminium chloride H- $\alpha$ -cyclopropyl-D-Ala-OH • HCl (CAS number corresponds to the salt free compound)	1130070-43-7
	(+)-Diacetyl-L-tartaric acid anhydride (3 <i>R</i> ,4 <i>R</i> )-3,4-Diacetoxytetrahydrofuran-2,5-dione	6283-74-5
	Dicyclohexylammonium ( <i>R</i> )-2-(Fmoc-amino)-3-(4-fluorophenyl)-2-methylpropanoate Fmoc-4-fluoro- $\alpha$ -Me-D-Phe-OH • DCHA (CAS number corresponds to the salt free compound)	1217777-84-8
	Dicyclohexylammonium ( <i>S</i> )-2-(Fmoc-amino)-3-(4-fluorophenyl)-2-methylpropanoate Fmoc-4-fluoro- $\alpha$ -Me-Phe-OH • DCHA (CAS number corresponds to the salt free compound)	1175838-03-5
	Diphenylmethanaminium ( <i>R</i> )-2-(Fmoc-amino)-3-azido-2-methylpropanoate Fmoc- $\beta$ -azido- $\alpha$ -Me-D-Ala-OH • BHA (CAS number corresponds to the salt free compound)	1926163-91-8
	Diphenylmethanaminium ( <i>S</i> )-2-(Fmoc-amino)-3-azido-2-methylpropanoate Fmoc- $\beta$ -azido- $\alpha$ -Me-D-Ala-OH • BHA (CAS number corresponds to the salt free compound)	1926163-90-7
	Dottsitol® Isosorbide dimethyl ether Dimethyl isosorbide (DMI) 1,4:3,6-Dianhydro-D-sorbitol dimethyl ether	5306-85-4

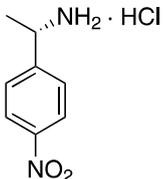
# Product

## Chiral Compounds (3/4)

Structure	Product Name	CAS
	( <i>R</i> )-2-(Fmoc-amino)-2-cyclopropylpropanoic acid Fmoc- $\alpha$ -cyclopropyl-Ala-OH	1926163-87-2
	( <i>S</i> )-2-(Fmoc-amino)-2-cyclopropylpropanoic acid Fmoc- $\alpha$ -cyclopropyl-D-Ala-OH	1926163-86-1
	( <i>R</i> )-3-(Fmoc-amino)-3-methyloxetan-2-one Fmoc- $\alpha$ -Me-D-Ser-lactone	1926163-89-4
	( <i>S</i> )-3-(Fmoc-amino)-3-methyloxetan-2-one Fmoc- $\alpha$ -Me-Ser-lactone	1926163-88-3
	Isosorbide 1,4:3,6-Dianhydro-D-sorbitol	652-67-5
	( <i>S</i> )-4-Nitrophenylalanine ( <i>S</i> )-2-Amino-3-(4-nitrophenyl)propanoic acid	949-99-5
	( <i>S</i> )-4-Nitrophenylalanine methyl ester hydrochloride ( <i>S</i> )-2-Amino-3-(4-nitrophenyl)propanoic acid methyl ester hydrochloride	17193-40-7
	( <i>R</i> )-1-(4-Nitrophenyl)ethylamine hydrochloride ( <i>R</i> )-(-)- $\alpha$ -Methyl-4-nitrobenzylamine hydrochloride	57233-86-0

## Product

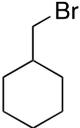
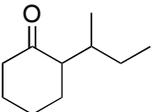
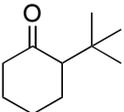
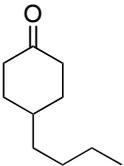
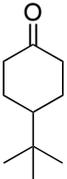
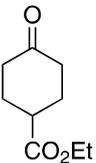
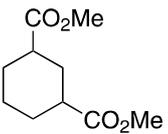
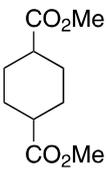
### Chiral Compounds (4/4)

Structure	Product Name	CAS
	(S)-1-(4-Nitrophenyl)ethylamine hydrochloride (S)-(+)- $\alpha$ -Methyl-4-nitrobenzylamine hydrochloride	132873-57-5

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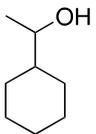
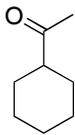
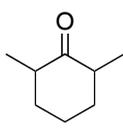
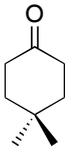
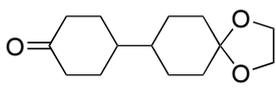
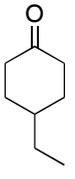
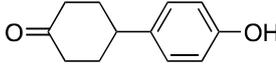
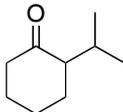
# Product

## Cyclohexane Derivatives (1/3)

Structure	Product Name	CAS
	(Bromomethyl)cyclohexane Cyclohexylmethyl bromide	2550-36-9
	2-sec-Butylcyclohexanone	14765-30-1
	2-tert-Butylcyclohexanone	1728-46-7
	4-Butylcyclohexanone	61203-82-5
	4-tert-Butylcyclohexanone	98-53-3
	4-Cyclohexanonecarboxylic acid ethyl ester 4-Oxocyclohexanecarboxylic acid ethyl ester	17159-79-4
	1,3-Cyclohexanedicarboxylic acid dimethyl ester	62638-06-6
	1,4-Cyclohexanedicarboxylic acid dimethyl ester	94-60-0

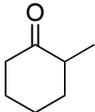
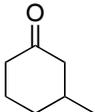
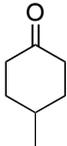
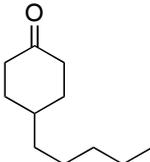
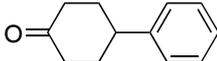
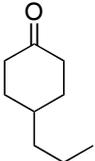
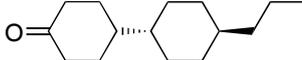
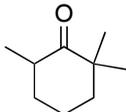
## Product

### Cyclohexane Derivatives (2/3)

Structure	Product Name	CAS
	1-Cyclohexylethanol	1193-81-3
	1-Cyclohexyl-1-ethanone Cyclohexyl methyl ketone	823-76-7
	2,6-Dimethylcyclohexanone	2816-57-1
	4,4-Dimethylcyclohexanone	4255-62-3
	4-(1,4-Dioxaspiro[4.5]dec-8-yl)cyclohexanone Bicyclohexyl-4,4'-dione monoethyleneglycol ketal Dicyclohexane-4,4'-dione monoethylene ketal Ketoketal	56309-94-5
	4-Ethylcyclohexanone	5441-51-0
	4-(4-Hydroxyphenyl)cyclohexanone	105640-07-1
	2-Isopropylcyclohexanone	1004-77-9

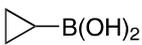
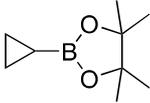
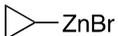
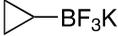
## Product

### Cyclohexane Derivatives (3/3)

Structure	Product Name	CAS
	2-Methylcyclohexanone	583-60-8
	3-Methylcyclohexanone	591-24-2
	4-Methylcyclohexanone	589-92-4
	4-Pentylcyclohexanone	61203-83-6
	4-Phenylcyclohexanone	4894-75-1
	4-Propylcyclohexanone	40649-36-3
	<i>trans</i> -4-(4'-Propylcyclohexyl)cyclohexanone <i>trans</i> -4'-Propylbi(cyclohexan)-4-one	82832-73-3
	2,2,6-Trimethylcyclohexanone	2408-37-9

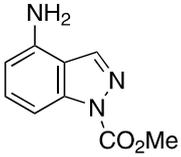
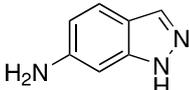
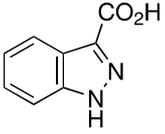
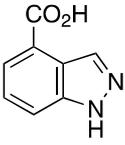
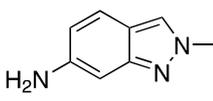
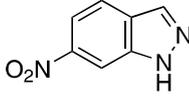
## Product

### Cyclopropyl Building Blocks

Structure	Product Name	CAS
	Cyclopropylboronic acid Cyclopropylboranediol	411235-57-9
	Cyclopropyl bromide Bromocyclopropane	4333-56-6 130561-87-4
	Cyclopropyllithium	3002-94-6
	2-Cyclopropyl-4,4,5,5-tetramethyl-1,3,2-dioxaborolane Cyclopropylboronic acid pinacol ester	126689-01-8
	Cyclopropylzinc bromide	126403-68-7
	Potassium cyclopropyl-1-trifluoroborate	1065010-87-8

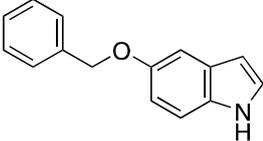
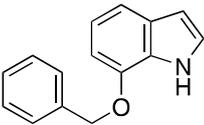
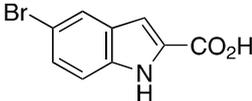
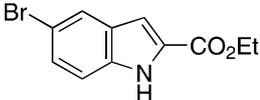
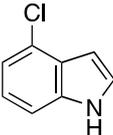
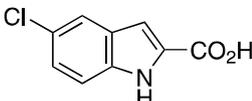
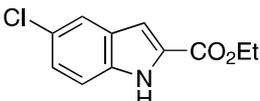
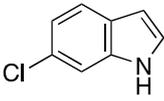
# Product

## Indazoles

Structure	Product Name	CAS
	4-Amino-1 <i>H</i> -indazole-1-carboxylic acid methyl ester	581812-76-2
	6-Amino-1 <i>H</i> -indazole 1 <i>H</i> -Indazol-6-amine	6967-12-0
	1 <i>H</i> -Indazole-3-carboxylic acid	4498-67-3
	1 <i>H</i> -Indazole-4-carboxylic acid	677306-38-6
	2-Methyl-2 <i>H</i> -indazol-6-amine 6-Amino-2-methyl-2 <i>H</i> -indazole	50593-30-1
	6-Nitro-1 <i>H</i> -indazole	7597-18-4

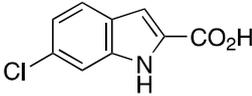
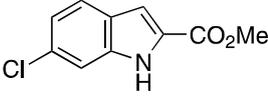
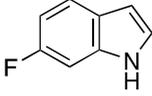
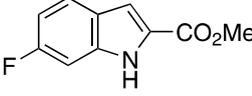
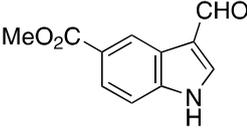
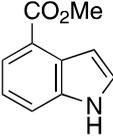
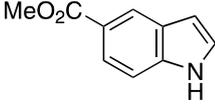
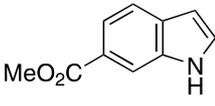
## Product

### Indoles (1/4)

Structure	Product Name	CAS
	5-(Benzyloxy)-1 <i>H</i> -indole	1215-59-4
	7-(Benzyloxy)-1 <i>H</i> -indole	20289-27-4
	5-Bromo-1 <i>H</i> -indole-2-carboxylic acid	7254-19-5
	5-Bromo-1 <i>H</i> -indole-2-carboxylic acid ethyl ester	16732-70-0
	4-Chloro-1 <i>H</i> -indole	25235-85-2
	5-Chloro-1 <i>H</i> -indole-2-carboxylic acid	10517-21-2
	5-Chloro-1 <i>H</i> -indole-2-carboxylic acid ethyl ester	4792-67-0
	6-Chloro-1 <i>H</i> -indole	17422-33-2

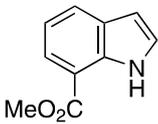
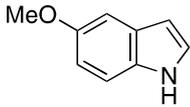
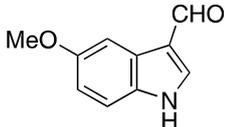
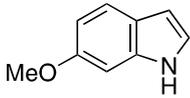
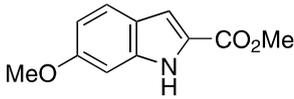
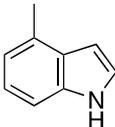
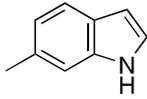
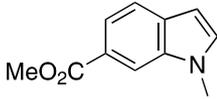
## Product

### Indoles (2/4)

Structure	Product Name	CAS
	6-Chloro-1 <i>H</i> -indole-2-carboxylic acid	16732-75-5
	6-Chloro-1 <i>H</i> -indole-2-carboxylic acid methyl ester	98081-84-6
	6-Fluoro-1 <i>H</i> -indole	399-51-9
	6-Fluoro-1 <i>H</i> -indole-2-carboxylic acid methyl ester	136818-43-3
	3-Formyl-1 <i>H</i> -indole-5-carboxylic acid methyl ester	197506-83-5
	1 <i>H</i> -Indole-4-carboxylic acid methyl ester	39830-66-5
	1 <i>H</i> -Indole-5-carboxylic acid methyl ester	1011-65-0
	1 <i>H</i> -Indole-6-carboxylic acid methyl ester	50820-65-0

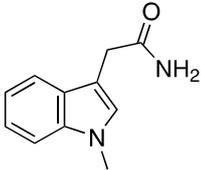
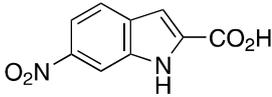
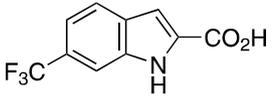
## Product

### Indoles (3/4)

Structure	Product Name	CAS
	1 <i>H</i> -Indole-7-carboxylic acid methyl ester	93247-78-0
	5-Methoxy-1 <i>H</i> -indole	1006-94-6
	5-Methoxy-1 <i>H</i> -indole-3-carbaldehyde	10601-19-1
	6-Methoxy-1 <i>H</i> -indole	3189-13-7
	6-Methoxy-1 <i>H</i> -indole-2-carboxylic acid methyl ester	98081-83-5
	4-Methyl-1 <i>H</i> -indole	16096-32-5
	6-Methyl-1 <i>H</i> -indole	3420-02-8
	1-Methyl-1 <i>H</i> -indole-6-carboxylic acid methyl ester	1204-32-6

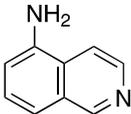
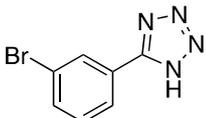
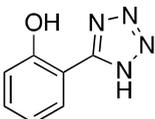
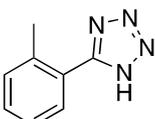
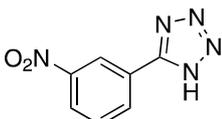
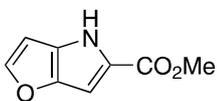
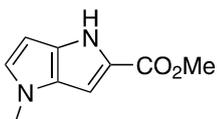
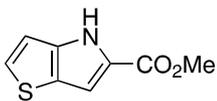
## Product

### Indoles (4/4)

Structure	Product Name	CAS
 <chem>CN1C=CC2=CC=CC=C2N1CC(=O)N</chem>	1-Methylindol-3-acetamide 2-(1-Methyl-1 <i>H</i> -indol-3-yl)acetamide	150114-41-3
 <chem>O=C(O)c1c[nH]c2cc([N+](=O)[O-])ccc21</chem>	6-Nitro-1 <i>H</i> -indole-2-carboxylic acid	10242-00-9
 <chem>C(F)(F)Fc1ccc2c(c1)c[nH]2C(=O)O</chem>	6-(Trifluoromethyl)-1 <i>H</i> -indole-2-carboxylic acid	327-20-8

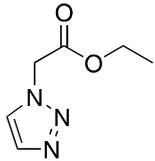
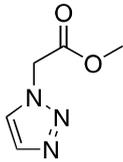
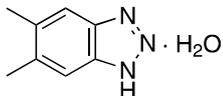
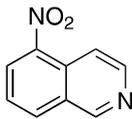
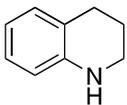
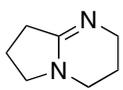
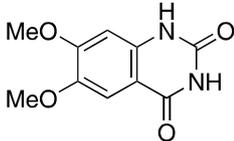
## Product

### N-Heterocycles (various) (1/3)

Structure	Product Name	CAS
	5-Aminoisoquinoline Isoquinolin-5-amine	1125-60-6
	5-(3-Bromophenyl)-1 <i>H</i> -tetrazole	3440-99-1
	5-(2-Hydroxyphenyl)-1 <i>H</i> -tetrazole 2-(1 <i>H</i> -Tetrazol-5-yl)phenol	51449-77-5
	5-(2-Methylphenyl)-1 <i>H</i> -tetrazole	51449-86-6
	5-(3-Nitrophenyl)-1 <i>H</i> -tetrazole	21871-44-3
	4 <i>H</i> -Furo[3,2- <i>b</i> ]pyrrole-5-carboxylic acid methyl ester	77484-99-2
	4-Methyl-1 <i>H</i> ,4 <i>H</i> -pyrrolo[3,2- <i>b</i> ]pyrrole-2-carboxylic acid methyl ester	-
	4 <i>H</i> -Thieno[3,2- <i>b</i> ]pyrrole-5-carboxylic acid methyl ester	82782-85-2

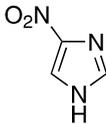
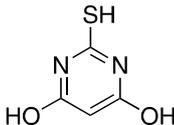
## Product

### N-Heterocycles (various) (2/3)

Structure	Product Name	CAS
	1 <i>H</i> -1,2,3-Triazole	288-36-8
	2-(1 <i>H</i> -1,2,3-Triazol-1-yl)acetic acid ethyl ester Ethyl 2-(1 <i>H</i> -1,2,3-triazol-1-yl)acetate	4314-21-0
	2-(1 <i>H</i> -1,2,3-Triazol-1-yl)acetic acid methyl ester Methyl 2-(1 <i>H</i> -1,2,3-triazol-1-yl)acetate	1021869-29-3
	5,6-Dimethyl-1 <i>H</i> -benzo[ <i>d</i> ][1,2,3]triazole hydrate (CAS number corresponds to the anhydrate)	4184-79-6
	5-Nitroisoquinoline	607-32-9
	1,2,3,4-Tetrahydroquinoline	635-46-1
	1,5-Diazabicyclo[4.3.0]non-5-ene DBN	3001-72-7
	6,7-Dimethoxyquinazoline-2,4(1 <i>H</i> ,3 <i>H</i> )-dione	28888-44-0

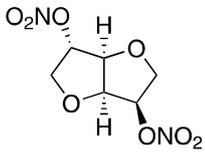
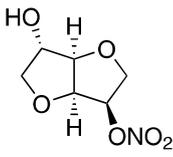
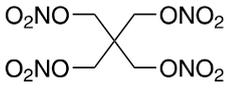
## Product

### N-Heterocycles (various) (3/3)

Structure	Product Name	CAS
	4-Nitro-1 <i>H</i> -imidazole 4-Nitroimidazole	3034-38-6
	2-Thiobarbituric acid 4,6-Dihydroxy-2-mercaptopyrimidine	504-17-6

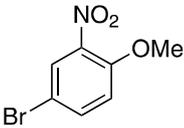
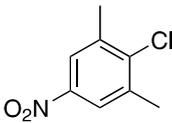
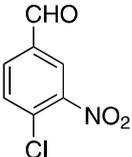
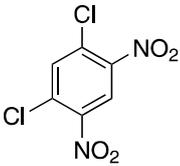
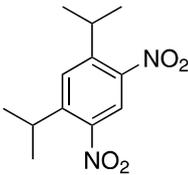
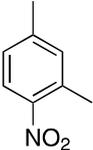
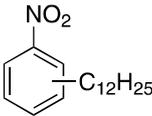
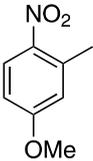
# Product

## Nitrate Esters

Structure	Product Name	CAS
	Isosorbide dinitrate ISDN 1,4:3,6-Dianhydro-D-sorbitol 2,5-dinitrate	87-33-2
	Isosorbide-5-mononitrate ISMN 1,4:3,6-Dianhydro-D-sorbitol 5-nitrate	16051-77-7
	Pentaerythritol tetranitrate PETN Nitropenta	78-11-5

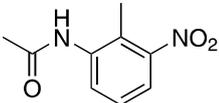
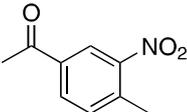
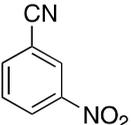
# Product

## Nitroaromatic Compounds (1/2)

Structure	Product Name	CAS
	5-Bromo-2-methoxynitrobenzene 4-Bromo-2-nitroanisole	33696-00-3
	2-Chloro-1,3-dimethyl-5-nitrobenzene 2-Chloro-5-nitro- <i>meta</i> -xylene	38560-96-2
	4-Chloro-3-nitrobenzaldehyde	16588-34-4
	1,5-Dichloro-2,4-dinitrobenzene	3698-83-7
	1,5-Diisopropyl-2,4-dinitrobenzene	77256-78-1
	1,3-Dimethyl-4-nitrobenzene 4-Nitro- <i>meta</i> -xylene	89-87-2
	Dodecyl nitrobenzene (Isomeric mixture)	58353-63-2
	4-Methoxy-2-methyl-1-nitrobenzene 3-Methyl-4-nitroanisole 3-Methoxy-6-nitrotoluene	5367-32-8

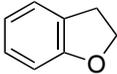
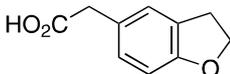
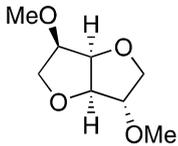
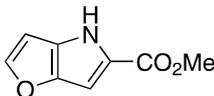
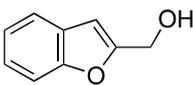
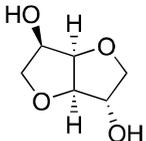
## Product

### Nitroaromatic Compounds (2/2)

Structure	Product Name	CAS
	<i>N</i> -(2-Methyl-3-nitrophenyl)acetamide 2-Methyl-3-nitroacetanilide	56207-36-4
	1-(4-Methyl-3-nitrophenyl)ethanone 4-Methyl-3-nitroacetophenone 4-Acetyl-2-nitrotoluene	5333-27-7
	3-Nitrobenzonitrile 3-Cyanonitrobenzene	619-24-9

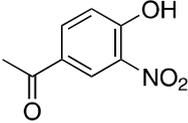
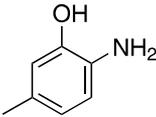
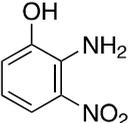
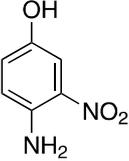
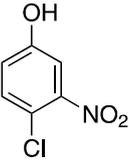
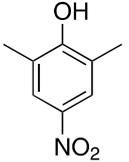
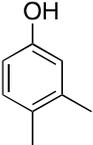
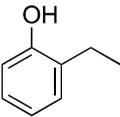
## Product

### O-Heterocycles (various)

Structure	Product Name	CAS
	2,3-Dihydrobenzofuran Coumaran	496-16-2
	2-(2,3-Dihydro-1-benzofuran-5-yl)acetic acid Coumaranacetic acid	69999-16-2
	Dittisol® Isosorbide dimethyl ether Dimethyl isosorbide (DMI) 1,4:3,6-Dianhydro-D-sorbitol dimethyl ether	5306-85-4
	4H-Furo[3,2-b]pyrrole-5-carboxylic acid methyl ester	77484-99-2
	2-(Hydroxymethyl)benzofuran 1-Benzofuran-2-ylmethanol	55038-01-2
	Isosorbide 1,4:3,6-Dianhydro-D-sorbitol	652-67-5

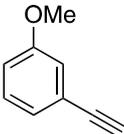
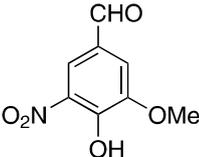
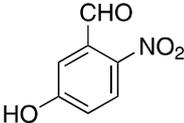
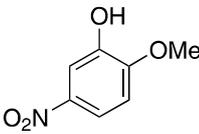
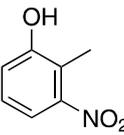
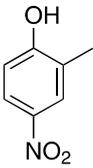
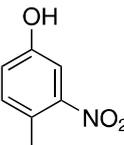
## Product

### Phenols and Anisoles (1/2)

Structure	Product Name	CAS
	4-Acetyl-2-nitrophenol 4-Hydroxy-3-nitroacetophenone	6322-56-1
	2-Amino-5-methylphenol 6-Amino- <i>meta</i> -cresol	2835-98-5
	2-Amino-3-nitrophenol	603-85-0
	4-Amino-3-nitrophenol	610-81-1
	4-Chloro-3-nitrophenol	610-78-6
	2,6-Dimethyl-4-nitrophenol 4-Nitro-2,6-xylenol	2423-71-4
	3,4-Dimethylphenol 3,4-Xylenol	95-65-8
	2-Ethylphenol	90-00-6

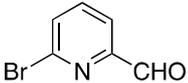
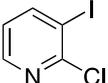
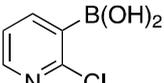
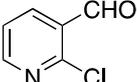
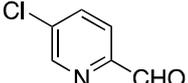
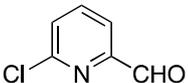
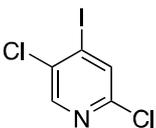
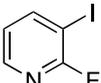
## Product

### Phenols and Anisoles (2/2)

Structure	Product Name	CAS
	1-Ethynyl-3-methoxybenzene 3-Ethynylanisole 3-Methoxyphenylacetylene	768-70-7
	4-Hydroxy-3-methoxy-5-nitrobenzaldehyde 5-Nitrovanillin	6635-20-7
	5-Hydroxy-2-nitrobenzaldehyde	42454-06-8
	2-Methoxy-5-nitrophenol 5-Nitroguaiacol	636-93-1
	2-Methyl-3-nitrophenol 3-Nitro-ortho-cresol	5460-31-1
	2-Methyl-4-nitrophenol 4-Nitro-ortho-cresol	99-53-6
	4-Methyl-3-nitrophenol 3-Nitro-para-cresol	2042-14-0

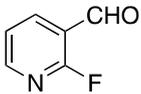
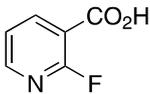
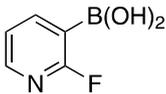
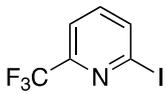
# Product

## Pyridine Building Blocks (1/2)

Structure	Product Name	CAS
	6-Bromopyridine-2-carbaldehyde 6-Bromo-2-formylpyridine	34160-40-2
	2-Chloro-3-iodopyridine	78607-36-0
	2-Chloropyridine-3-boronic acid	381248-04-0
	2-Chloropyridine-3-carbaldehyde 2-Chloro-3-formylpyridine	36404-88-3
	5-Chloropyridine-2-carbaldehyde 5-Chloro-2-formylpyridine	31181-89-2
	6-Chloropyridine-2-carbaldehyde 6-Chloro-2-formylpyridine	54087-03-5
	2,5-Dichloro-4-iodopyridine	796851-03-1
	2-Fluoro-3-iodopyridine	113975-22-7

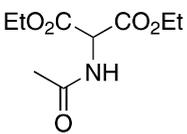
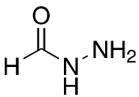
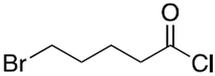
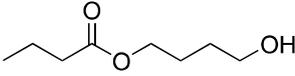
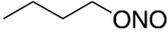
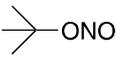
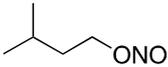
## Product

### Pyridine Building Blocks (2/2)

Structure	Product Name	CAS
	2-Fluoropyridine-3-carbaldehyde 2-Fluoro-3-formylpyridine	36404-90-7
	2-Fluoropyridine-3-carboxylic acid 2-Fluoronicotinic acid	393-55-5
	(2-Fluoro-3-pyridinyl)boronic acid 2-Fluoro-3-pyridineboronic acid	174669-73-9
	2-Iodo-6-(trifluoromethyl)pyridine	100366-74-3

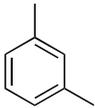
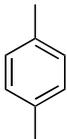
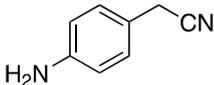
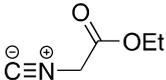
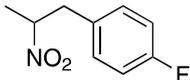
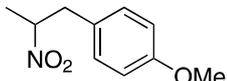
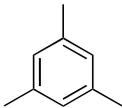
# Product

## Various Compounds (1/2)

Structure	Product Name	CAS
	Acetamidomalonic acid diethyl ester Acetylaminomalonic acid diethyl ester Diethyl acetamidomalonate	1068-90-2
	Formohydrazide Formylhydrazine	624-84-0
	5-Bromopentanoyl chloride 5-Bromovaleryl chloride	4509-90-4
	Butanoic acid 4-hydroxybutyl ester	55011-60-4
	Butyl nitrite	544-16-1
	<i>tert</i> -Butyl nitrite Nitrous acid <i>tert</i> -butyl ester (in-situ reagent, 90% in <i>t</i> -BuOH)	540-80-7
	Isoamyl nitrite 3-Methylbutyl nitrite	110-46-3
	1,2-Dimethylbenzene <i>ortho</i> -Xylene	95-47-6

## Product

### Various Compounds (2/2)

Structure	Product Name	CAS
	1,3-Dimethylbenzene <i>meta</i> -Xylene	108-38-3
	1,4-Dimethylbenzene <i>para</i> -Xylene	106-42-3
	2-(4-Aminophenyl)acetonitrile 4-Aminophenylacetonitrile	3544-25-0
	Ethyl 2-isocyanoacetate 2-Isocyanoacetic acid ethyl ester	2999-46-4
	1-Fluoro-4-(2-nitropropyl)benzene 1-(4-Fluorophenyl)-2-nitropropane	29865-52-9
	1-Methoxy-4-(2-nitropropyl)benzene 1-(4-Methoxyphenyl)-2-nitropropane 4-(2-Nitropropyl)anisole	29865-49-4
	1,3,5-Trimethylbenzene Mesitylene	108-67-8



# Chemical Formula Index

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C <sub>2</sub> H <sub>3</sub> N <sub>3</sub>	39	C <sub>7</sub> H <sub>5</sub> N <sub>3</sub> O <sub>2</sub>	33	C <sub>8</sub> H <sub>11</sub> N	14	C <sub>10</sub> H <sub>8</sub> FNO <sub>2</sub>	35
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C <sub>3</sub> H <sub>11</sub> CIN <sub>2</sub>	11	C <sub>7</sub> H <sub>7</sub> NO <sub>4</sub>	46	C <sub>8</sub> H <sub>16</sub> O	30	C <sub>10</sub> H <sub>13</sub> NO <sub>2</sub>	25
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C <sub>5</sub> H <sub>7</sub> N <sub>3</sub> O <sub>2</sub>	39	C <sub>7</sub> H <sub>15</sub> N	11	C <sub>9</sub> H <sub>9</sub> N	36	C <sub>11</sub> H <sub>19</sub> CIN <sub>2</sub>	13
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C <sub>6</sub> H <sub>4</sub> BrNO	47	C <sub>8</sub> H <sub>6</sub> CINO <sub>4</sub>	20	C <sub>9</sub> H <sub>10</sub> N <sub>2</sub>	17	C <sub>12</sub> H <sub>20</sub> N <sub>2</sub>	13
C <sub>6</sub> H <sub>4</sub> CINO	47	C <sub>8</sub> H <sub>6</sub> FN	35	C <sub>9</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub>	38	C <sub>13</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub>	16
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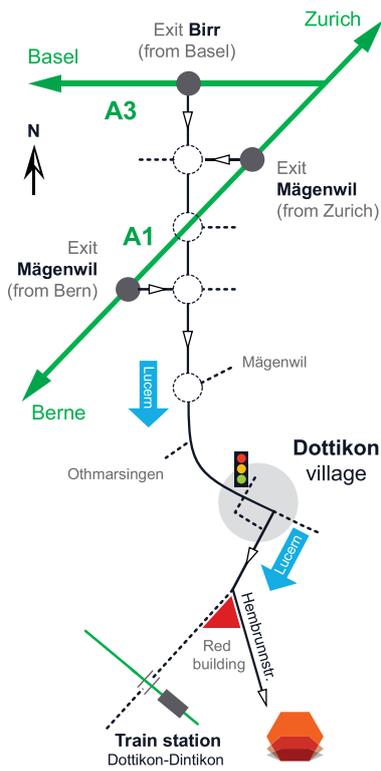
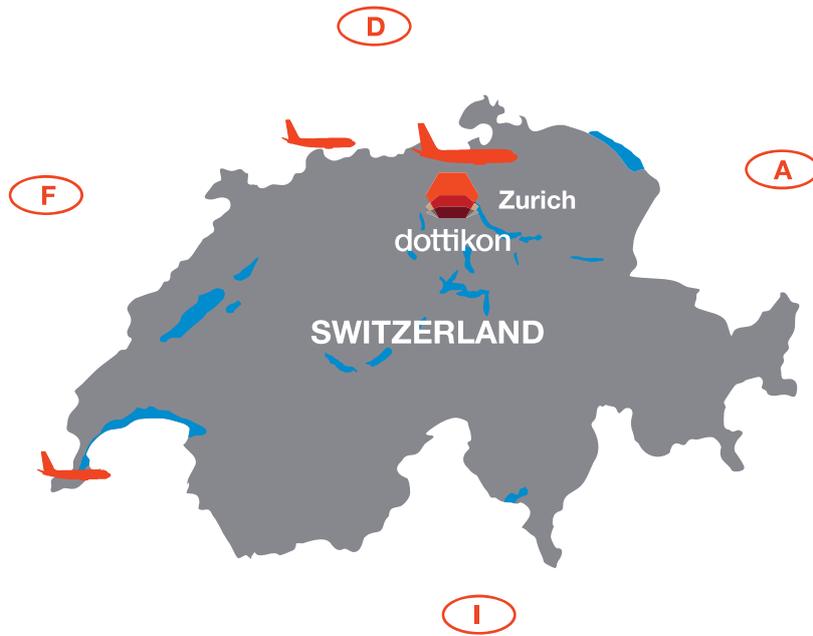
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