

## Product list



Version October 2011

## Introduction

Since 1914, Katwijk Chemie has been successfully producing high quality Active Pharmaceutical Ingredients and Fine chemicals. We offer our customers the following benefits:

- More than 90 years Dutch reliability
- High and consistent product quality
- Quick and accurate QA and QC support, FDA/EDQM inspected
- Small (90 staff), fast and flexible
- World-wide local sales contacts, including Japan
- Privately owned and fully independent

In this product list, you will find the variety of products that we are currently supplying, split into three different sections:

1. **Active Pharmaceutical Ingredients (API's)** (page 4)

The Anti-epileptics form a major part of our API's. However, we also cover other therapeutic categories like anti-inflammatory, anti-bacterial and CNS stimulant (page 6). For every API, the approved indications for a pharmaceutical formulation have been given.

All API's are produced under cGMP conditions. Drug Master Files (DMF) are available for many countries and several Certificates of Suitability (CoS, CEP) for the European Pharmacopoeia have been issued.

2. **Bulk Fine Chemicals** (page 9)

The Bulk Fine Chemicals are used in a wide variety of fields, the most important of them being the pharmaceutical and the agrochemical industries. These chemicals are produced under cGMP conditions, in volumes between 1 and 100 metric tons.

3. **Other Fine Chemicals** (page 12)

The applications for these chemicals also lie mostly in the pharmaceutical and agrochemical area. More specifically, we offer you a range of substituted Pyrimidines (page 12), Pyridines (page 14) and Pyrazoles (page 15). These chemicals are produced under cGMP conditions, in volumes between 5 kg and 2 metric tonnes.

For your convenience, all products are listed alphabetically at the back of this Product list (page 22), followed by a cross reference table with the corresponding CAS numbers.

## Custom chemical synthesis

Katwijk Chemie is a strong partner in Custom chemical synthesis, producing exclusive products under cGMP conditions, with a focus on volumes between 100 kg and 50 metric tonnes. We guarantee full confidentiality, a quick scaling up from Lab to Commercial, and a long term relationship based on mutual trust.

### Reaction types

The following types of organic reactions fall within our current scope:

- Additions with Isocyanates or Sodium cyanide
- Aminations with Ammonia
- Condensations Types: Aldol, Benzoin, Claisen and Knoevenagel  
Malonic ester synthesis  
Syntheses of heterocycles (e.g. pyrimidines, pyrrolidines, imidazolidines and phthalimides)
- Derivatisations Esterification to n-alkyl esters  
Preparations of imines  
Preparations of phthalimides  
Pinner reaction
- Eliminations with Hydrazine
- Oxidations with Hydrogen peroxide or Potassium permanganate

For your convenience, a more extensive listing of the reaction types is given below:

Acetylation	Condensation	Hydroperoxidation
Acid Chlorides	Cyanation	Isocyanation
Acid/Base Reactions	Cyanidation	Knoevenagel Diazotization
Alcoholysis	Cyanization	Michael Addition
Aldol Condensation	Cyclization	Oxidation
Alkylation	Cyclocondensation	Polycondensation
Amination	Decarboxylation	Ring Closure
Benzoin Condensation	Esterification	
Claisen Condensation	Hydrazine Chemistry	

### Equipment

We can offer you the following multipurpose equipment:

- cGMP Pilot production facility for development and commercial volumes between 10 and 1000 kg
- Glass lined reactors with volumes of 0.1 m<sup>3</sup> to 4 m<sup>3</sup>, equipped with fractionating columns
- Stainless steel reactors with volumes of 1 m<sup>3</sup> to 8 m<sup>3</sup>
- Stainless steel fractionating installations, with volumes of 3 m<sup>3</sup>, a minimum pressure of 5 Torr, and a maximum bottom temperature of 170° C. One of these installations has been equipped for the distillation of solidifying liquids (melting points up to 55° C)
- Stainless steel and Hastelloy centrifuges
- Spray dryer, fluid bed dryers, mixing screw vacuum dryers, vacuum paddle dryer.
- Elevated temperature storage (to melt solid raw materials)

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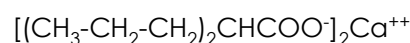
## Anti-epileptics

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### Calcium Valproate

*Calcium Dipropylacetate hydrate*

CAS: 33433-82-8, EINECS: 251-521-7, REACH: exempted



No DMF available

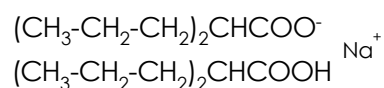
Therapeutic category: anti-epileptic, anti migraine, treatment of bipolar mood disorder

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### Divalproex sodium

*Sodium divalproate, Valproate semisodium*

CAS: 76584-70-8, EINECS: not registered, REACH: exempted



DMF: USA, Canada, Europe, India, Indonesia, Jordan, Ukraine

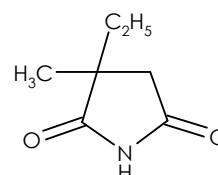
Therapeutic category: anti-epileptic, anti migraine, treatment of bipolar mood disorder, Tourette's syndrome

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### Ethosuximide

*2-Ethyl-2-methylsuccinimide*

CAS: 77-67-8, EINECS: 201-048-7, REACH: exempted



DMF: USA, Europe, Europe CoS (R0-CEP2009-022), Japan, Australia, Brasil, Bangladesh, India, New Zealand, Switzerland

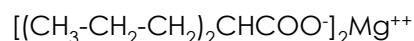
Therapeutic category: anti-epileptic

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### Magnesium Valproate

*Magnesium Dipropylacetate hydrate*

CAS: 62959-43-7, EINECS: 263-770-9, REACH: exempted



DMF: Europe, Mexico

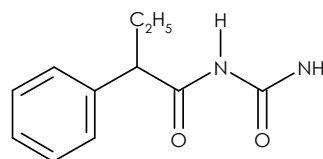
Therapeutic category: anti-epileptic, anti migraine, treatment of bipolar mood disorder

**Phenylethylacetylurea***Pheneturide, Ethylphenacemide*

CAS: 90-49-3, EINECS: 201-998-2, REACH: exempted

No DMF available

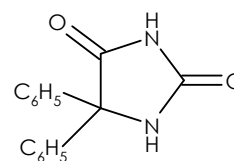
Therapeutic category: anti-epileptic

**Phenytoin***5,5-Diphenylhydantoin*

CAS: 57-41-0, EINECS: 200-328-6, REACH: exempted

DMF : USA, Canada, Europe, Japan,  
Australia, Israel, New Zealand, South Africa

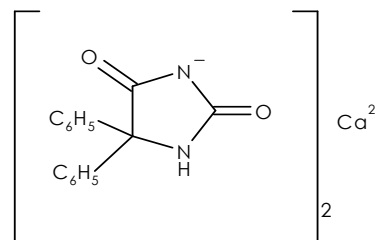
Therapeutic category: anti-epileptic, ulcer treatment

**Phenytoin Calcium***5,5-Diphenylhydantoin Calcium Salt*

CAS: 17199-74-5, EINECS: 241-241-3, REACH: exempted

No DMF available

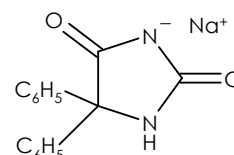
Therapeutic category: anti-epileptic

**Phenytoin Sodium***5,5-Diphenylhydantoin Sodium Salt*

CAS: 630-93-3, EINECS: 211-148-2, REACH: exempted

DMF: USA, Canada, Europe,  
Australia, Brasil, Colombia, India, Israel, Moldova, New Zealand,  
Singapore, South Africa, Switzerland, Thailand, Tunisia, Turkey

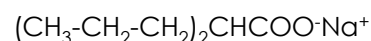
Therapeutic category: anti-epileptic

**Sodium Valproate***Sodium Dipropylacetate*

CAS: 1069-66-5, EINECS: 213-961-8, REACH: exempted

DMF: USA, Canada, Europe, Europe CoS (R1-CEP 1997-021 and R0-CEP 2004-250), Japan,  
Algeria, Australia, Belorussia, India, Indonesia, Jordan, Morocco, New Zealand, Saudi Arabia, Singapore, South Africa, Thailand

Therapeutic category: anti-epileptic, anti migraine, treatment of bipolar mood disorder



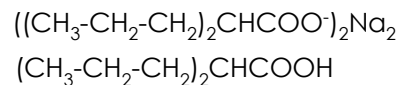
**Valdisoval**

A mixture of Sodium Valproate and valproic acid (2 : 1 molar)

CAS, EINECS: not registered, REACH: exempted

DMF: Jordan, Ukraine

Therapeutic category: anti-epileptic, anti migraine, treatment of bipolar mood disorder

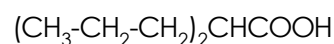
**Valproic Acid**

*Dipropylacetic Acid*

CAS : 99-66-1, EINECS: 202-777-3, REACH: exempted for use in pharmaceuticals. Registered as intermediate: 01-2119560580-42-0003

DMF : USA, Canada, Europe, Europe CoS (R1-CEP 1998-026), Algeria, India, Indonesia, Morocco, South Africa

Therapeutic category: anti-epileptic, anti migraine, treatment of bipolar mood disorder

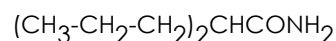
**Valpromide**

*Dipropylacetamide*

CAS: 2430-27-5, EINECS: 219-394-2, REACH: exempted

No DMF available

Therapeutic category: anti-epileptic

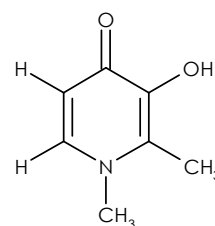
**Other Therapeutic Categories****Deferiprone**

*1,2-Dimethyl-3-hydroxy-4-pyridone*

CAS: 30652-11-0, EINECS: not registered, REACH: exempted

DMF: USA, Europe, India

Therapeutic category: oral iron chelator



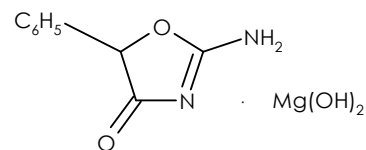
**Magnesium Pemoline**

CAS: 18968-99-5, EINECS: not registered, REACH: exempted

Mixture of Magnesium hydroxyde and Pemoline

No DMF available

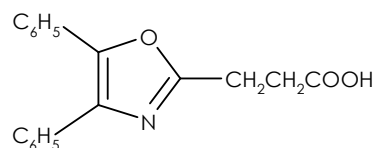
Therapeutic category: CNS-stimulant

*Controlled substance***Oxaprozin***3-(4,5-Diphenyl-2-oxazolyl)propionic Acid*

CAS: 21256-18-8, EINECS: 244-296-1, REACH: exempted

DMF: USA, Canada, Europe, India

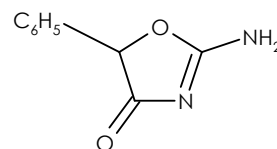
Therapeutic category: anti-inflammatory (NSAID), analgesic (arthritis)

**Pemoline***4-Oxo-2-imino-5-phenyloxazolidine, Phenylpseudohydantoin*

CAS: 2152-34-3, EINECS: 218-438-8, REACH: exempted

DMF: USA, Canada, Europe, Japan

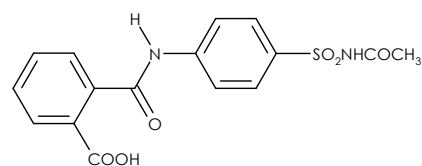
Therapeutic category: CNS-stimulant

*Controlled substance***Phthalylsulfacetamide***N<sup>1</sup>-Acetyl-N<sup>4</sup>-phthalylsulfanilamide*

CAS: 131-69-1, EINECS: 205-035-7, REACH: exempted

No DMF available

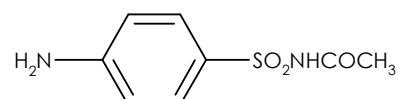
Therapeutic category: anti-bacterial

**Sulfacetamide***N<sup>1</sup>-Acetylsulfanilamide*

CAS: 144-80-9, EINECS: 205-640-6, REACH: exempted

DMF: USA, Canada, Europe

Therapeutic category: anti-bacterial



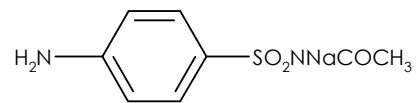
**Sulfacetamide Sodium**

*N*<sup>1</sup>-Acetylsulfanilamide Monosodium Salt Monohydrate

CAS: 6209-17-2; EINECS: 204-848-4, REACH: exempted

DMF: USA, Canada, Europe, Europe CoS (R0-CEP 2008-311),  
Kazakhstan, Mexico, New Zealand, Russia, Turkey, Ukraine

Therapeutic category: anti-bacterial (acne, dermatitis, ocular inflammations)



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## Bulk Fine Chemicals

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### Benzil

*1,2-Diphenyl-1,2-ethanedione*

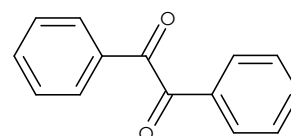
CAS: 134-81-6, EINECS: 205-157-0

REACH: preregistered, reference nr. 05-2115752746-36-0000

Minimum purity 99.0 %

Intermediate for API production, photo initiator

*Regulated under OPCW*



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### Benzilic Acid

*Diphenylglycolic Acid*

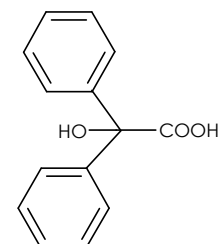
CAS: 76-93-7, EINECS: 200-993-2

REACH: preregistered, reference nr. 05-2115752752-43-0000

Minimum purity 99.5 %

Intermediate for API production

*Regulated under OPCW*



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### Benzoin

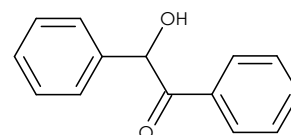
*2-Hydroxy-1,2-diphenylethanone, Benzoyl phenyl carbinol*

CAS: 119-53-9, EINECS: 204-331-3

REACH: preregistered, reference nr. 05-2115752747-34-0000

Minimum purity 99.0 %

Intermediate for production of actives, used in powder coatings, photo initiator



**2-Bromoethanesulfonic Acid Sodium Salt***Sodium 2-bromoethanesulfonate*

CAS: 4263-52-9, EINECS: 224-244-4

REACH: preregistered, reference nr. 05-2115752757-33-0000

Minimum purity 98.0 %

Intermediate for production of APIs, photochemicals and buffer substances

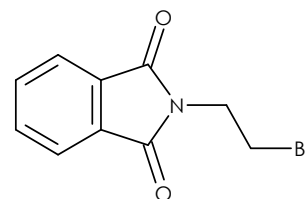
**N-(2-Bromoethyl)-phthalimide**

CAS: 574-98-1, EINECS: 209-379-9

REACH: preregistered, reference nr. 05-2115752763-40-0000

Minimum purity 99.5 %

Intermediate for API production

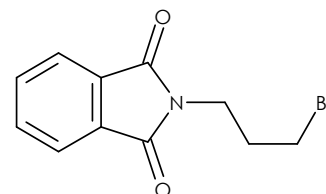
**N-(3-Bromopropyl)-phthalimide**

CAS: 5460-29-7, EINECS: 226-738-5

REACH: preregistered, reference nr. 05-2115752765-36-0000

Minimum purity 99.5 %

Intermediate for API production

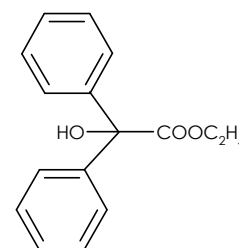
**Ethyl Benzilate***Benzilic Acid Ethyl Ester, Ethyl Diphenylglycolate*

CAS: 52182-15-7, EINECS: 257-713-7

REACH: preregistered, reference nr. 05-2115752755-37-0000

Minimum purity 96.0 %

Intermediate for API production

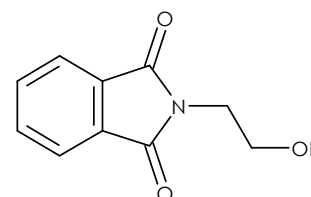
*Regulated under OPCW***N-(2-Hydroxyethyl)-phthalimide***2-Phthalimidoethanol*

CAS: 3891-07-4, EINECS: 223-434-4

REACH: preregistered, reference nr. 05-2115752767-32-0000

Minimum purity 99.0 %

Intermediate for API production



**Methyl Benzilate**

*Benzilic Acid Methyl Ester, Methyl Diphenylglycolate*

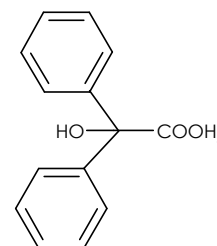
CAS: 76-89-1, EINECS: 200-991-1

REACH: preregistered, reference nr. 05-2115752756-35-0000

Minimum purity 99.0 %

Intermediate for API production

*Regulated under OPCW*



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**N-Phthaloylglycine**

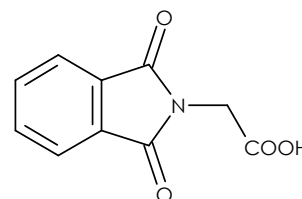
*Phthalimidoacetic Acid*

CAS: 4702-13-0, EINECS: 225-177-3

REACH: preregistered, reference nr. 05-2115752753-41-0000

Minimum purity 99.5 %

Intermediate for production of active for X-ray contrast fluids



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**Sulfanilamide**

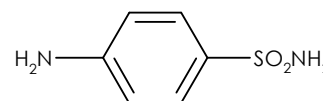
*4-Aminobenzenesulfonamide*

CAS: 63-74-1, EINECS: 200-563-4

REACH: preregistered, reference nr. 05-2115752743-42-0000

Minimum purity 99.0 %

Intermediate for API production, API (antibacterial)



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## Other Fine Chemicals - Pyrimidines

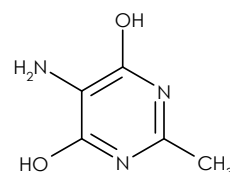
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### 5-Amino-4,6-dihydroxy-2-methylpyrimidine

CAS: 98797-08-1, EINECS: not registered

REACH: preregistered, reference nr. 05-2115756543-54-0000

Minimum purity 98.0 %



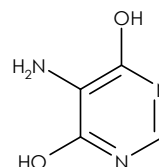
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### 5-Amino-4,6-dihydroxypyrimidine

CAS: 69340-97-2, EINECS: not registered

REACH: preregistered, reference nr. 05-2115508360-60-0000

Minimum purity 95.0 %



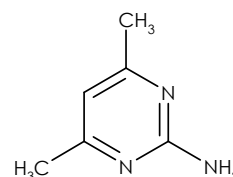
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### 2-Amino-4,6-dimethylpyrimidine

CAS: 767-15-7, EINECS: 212-181-5

REACH: preregistered, reference nr. 05-2115752791-41-0000

Minimum purity 99.0 %



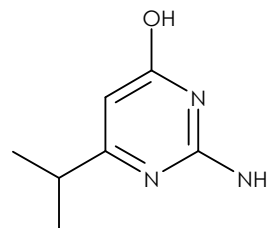
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### 2-Amino-4-hydroxy-6-isopropylpyrimidine

CAS: 735676-32-6, EINECS: not registered,

REACH: preregistered, reference nr. 05-2115499062-44-0000

Minimum purity 99.0 %



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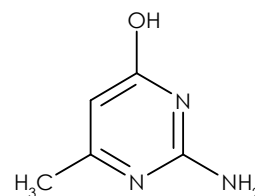
### 2-Amino-4-hydroxy-6-methylpyrimidine

*6-Methyl-isocytosine*

CAS: 3977-29-5, EINECS: 223-612-1

REACH: preregistered, reference nr. 05-2115752762-42-0000

Minimum purity 99.0 %

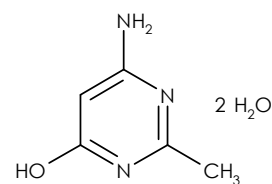


**4-Amino-6-hydroxy-2-methylpyrimidine Dihydrate***6-Amino-2-methyl-4-pyrimidinol*

CAS: 767-16-8, EINECS: 212-182-0

REACH: preregistered, reference nr. 05-2115752783-38-0000

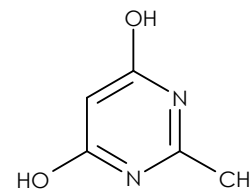
Minimum purity 98.0 %

**4,6-Dihydroxy-2-methylpyrimidine**

CAS: 40497-30-1, EINECS: 254-941-9

REACH: preregistered, reference nr. 05-2115752802-46-0000

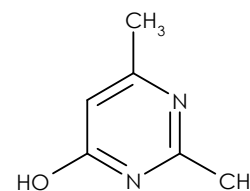
Minimum purity 99.0 %

**2,4-Dimethyl-6-hydroxypyrimidine**

CAS: 6622-92-0, EINECS: 229-577-9

REACH: preregistered, reference nr. 05-2115752808-34-0000

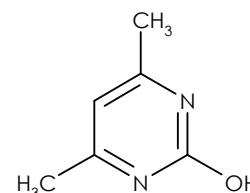
Minimum purity 99.0 %

**4,6-Dimethyl-2-hydroxypyrimidine***4,6-Dimethyl-2-pyrimidinol*

CAS: 108-79-2, EINECS: 203-617-5

REACH: preregistered, reference nr. 05-2115752774-37-0000

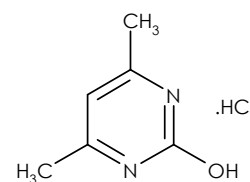
Minimum purity 99.0 %

**4,6-Dimethyl-2-hydroxypyrimidine Hydrochloride**

CAS: 34289-60-6, EINECS: 251-919-0

REACH: preregistered, reference nr. 05-2115752773-39-0000

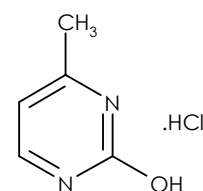
Minimum purity 99.0 %

**2-Hydroxy-4-methylpyrimidine Hydrochloride***4-Methyl-2-pyrimidinol*

CAS: 5348-51-6, EINECS: 226-306-6

REACH: preregistered, reference nr. 05-2115752816-37-0000

Minimum purity 98.0 %

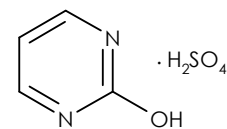


**2-Hydroxypyrimidine Sulphate***2-Pyrimidinol Sulphate*

CAS: 90010-00-7, EINECS: not registered

REACH: preregistered, reference nr. 05-2115508626-46-0000

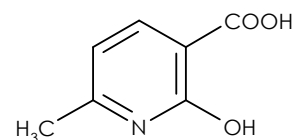
Minimum purity 98.0 %

**Other Fine Chemicals - Pyridines****3-Carboxy-2-hydroxy-6-methylpyridine***2-hydroxy-6-methylnicotinic acid*

CAS: 38116-61-9, EINECS: 253-784-3

REACH: preregistered, reference nr. 05-2115752766-34-0000

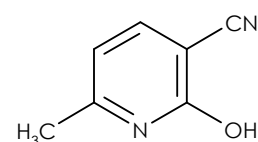
Minimum purity 98.0 %

**3-Cyano-2-hydroxy-6-methylpyridine***3-Cyano-6-methyl-2(1H)-pyridinone*

CAS: 4241-27-4, EINECS: 224-202-5

REACH: preregistered, reference nr. 05-2115752787-30-0000

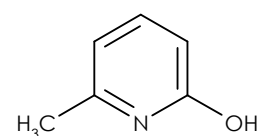
Minimum purity 98.0 %

**2-Hydroxy-6-methylpyridine**

CAS: 3279-76-3, EINECS: 221-919-5

REACH: preregistered, reference nr. 05-2115752818-33-0000

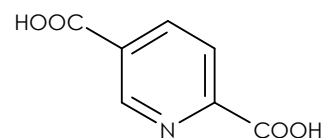
Minimum purity 97.0 %

**2,5-Pyridinedicarboxylic Acid***Isocinchomeric Acid*

CAS: 100-26-5, EINECS: 202-834-2

REACH: preregistered, reference nr. 05-2115752793-37-0000

Minimum purity 99.0 %

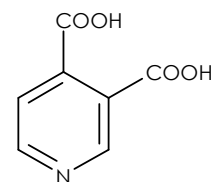


**3,4-Pyridinedicarboxylic Acid***Cinchomeric Acid*

CAS: 490-11-9, EINECS: 207-705-4

REACH: preregistered, reference nr. 05-2115752795-33-0000

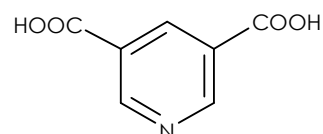
Minimum purity 99.0 %

**3,5-Pyridinedicarboxylic Acid***Dinicotinic Acid*

CAS: 499-81-0, EINECS: 207-893-8

REACH: preregistered, reference nr. 05-2115752798-27-0000

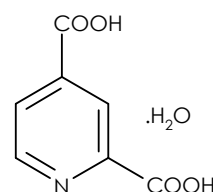
Minimum purity 99.0 %

**2,4-Pyridinedicarboxylic Acid Monohydrate***Lutidinic Acid*

CAS: 499-80-9, EINECS: 207-892-2

REACH: preregistered, reference nr. 05-2115752806-38-0000

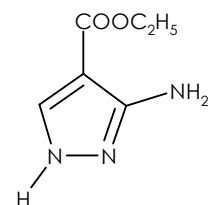
Minimum purity 98.0 %

**Other Fine Chemicals – Pyrazoles****3-Amino-4-carbethoxypyrazole***Ethyl 3-amino-4-pyrazolecarboxylate*

CAS: 6994-25-8, EINECS: 230-262-3

REACH: preregistered, reference nr. 05-2115752789-26-0000

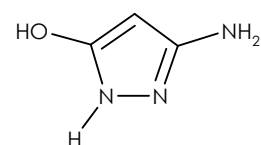
Minimum purity 99.0 %

**3-Amino-5-hydroxypyrazole**

CAS: 6126-22-3, EINECS 228-095-6

REACH: preregistered, reference nr. 05-2115752785-34-0000

Minimum purity 98.3 %

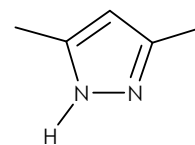


**3,5-Dimethylpyrazole**

CAS: 67-51-6, EINECS: 200-657-5

REACH: preregistered, reference nr. 05-2115752768-30-0000

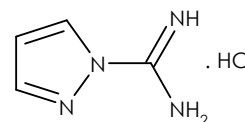
Minimum purity 99.0 %

**1H-Pyrazole-1-carboxamidine hydrochloride***1-Amidinopyrazole hydrochloride*

CAS: 4023-02-3, EINECS: 429-520-1

REACH: preregistered, reference nr. 05-2115498048-35-0000

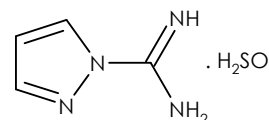
Minimum purity 99.0 %

**1H-Pyrazole-1-carboxamidine sulfate**

CAS: not registered

REACH: preregistered, reference nr. 05-2115778535-33-0000

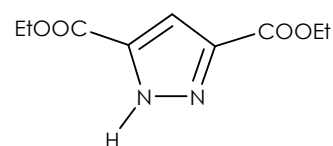
Minimum purity 99.0 %

**3,5-Pyrazoledicarboxylic Acid Diethyl Ester**

CAS: 37687-24-4, EINECS: not registered

REACH: preregistered, reference nr. 05-2115506398-43-0000

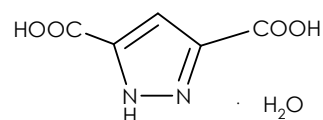
Minimum purity 99.0 %

**3,5-Pyrazoledicarboxylic Acid Monohydrate**

CAS: 3112-31-0, EINECS: 221-474-7

REACH: preregistered, reference nr. 05-2115752800-50-0000

Minimum purity 99.0 %



## Other Fine Chemicals

### N-Acetyl glycine

CAS: 543-24-8, EINECS: 208-839-6



REACH: preregistered, reference nr. 05-2115752822-44-0000

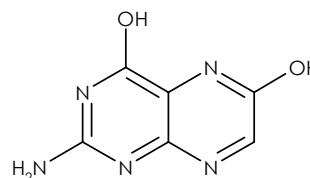
### 2-Amino-4,6-dihydroxypteridine Monohydrate

*Xanthopterin*

CAS: 5979-01-1, EINECS: not registered

REACH: preregistered, reference nr. 05-2115505745-47-0000

Minimum purity 97.0 %

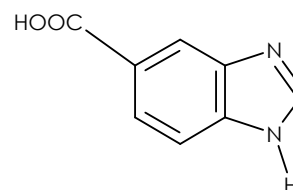


### 5-Benzimidazolecarboxylic Acid

CAS: 15788-16-6, EINECS: not registered

REACH: preregistered, reference nr. 05-2115506282-58-0000

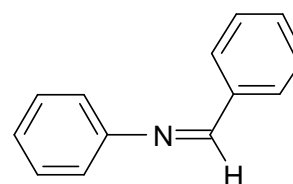
Minimum purity 92.0 %



### N-Benzylideneaniline

CAS: 538-51-2, EINECS: 208-694-9

REACH: preregistered, reference nr. 05-2115752824-40-0000

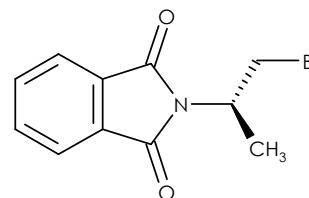


### (S)-N-(1-Bromo-2-propyl)-phthalimide

CAS: not available, EINECS: not available

REACH: preregistered, reference nr. 05-2115778392-37-0000

Minimum purity 98.0 %; optical purity 95 %

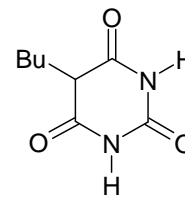


**5-n-Butyl barbituric acid**

CAS: 1953-33-9, EINECS: 217-781-0

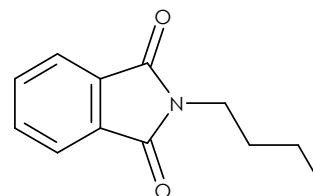
REACH: preregistered, reference nr. 05-2115752758-31-0000

Minimum purity 99.0 %

**N-Butylphthalimide**

CAS: 1515-72-6, EINECS: 216-157-5

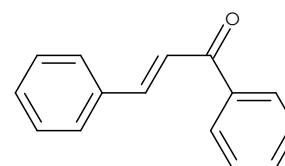
REACH: Not preregistered

**Chalcone***Benzalacetophenone, 1,3-Diphenyl-2-propen-1-one*

CAS: 94-41-7, EINECS: 202-330-2

REACH: preregistered, reference nr. 05-2115752769-28-0000

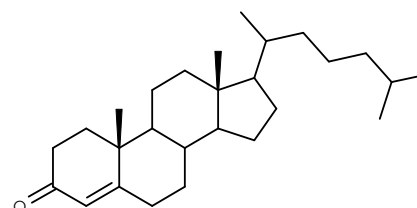
Minimum purity 97.0 %

**(+)-4-Cholesten-3-one**

CAS: 601-57-0, EINECS: 210-005-1

REACH: preregistered, reference nr. 05-2115752781-42-0000

Minimum purity 98.0 %

**Cyanoacetyl urea**

CAS: 1448-98-2, EINECS: 215-906-3

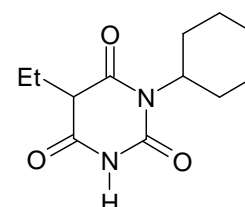
REACH: preregistered, reference nr. 05-2115752826-36-0000

**1-Cyclohexyl-5-ethyl barbituric acid**

CAS: 837-32-1, EINECS: 212-653-0

REACH: preregistered, reference nr. 05-2115752759-29-0000

Minimum purity 99.6 %

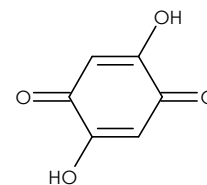


**2,5-Dihydroxy-1,4-benzoquinone**

CAS: 615-94-1, EINECS: 210-454-3

REACH: preregistered, reference nr. 05-2115752820-48-0000

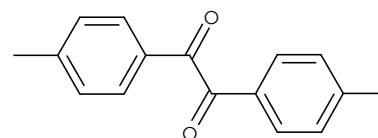
Minimum purity 98.0 %

**4,4'-Dimethylbenzil***Di-p-Tolyloethanedione*

CAS: 3457-48-5, EINECS: 222-388-2

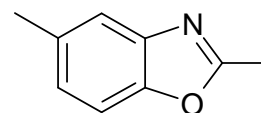
REACH: preregistered, reference nr. 05-2115752828-32-0000

Minimum purity 99.8 %

**2,5-Dimethyl benzoxazole**

CAS: 5678-58-4, EINECS: 227-136-5

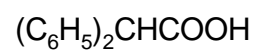
REACH: preregistered, reference nr. 05-2115752827-34-0000

**2,2-Diphenyl acetic acid***α-Phenylbenzene acetic acid*

CAS: 117-34-0, EINECS: 204-185-0

REACH: preregistered, reference nr. 05-2115752772-41-0000

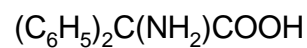
Minimum purity 98.0 %

**2,2-Diphenyl glycine***α,α-Diphenylglycine*

CAS: 3060-50-2, EINECS: 221-299-6

REACH: preregistered, reference nr. 05-2115752771-43-0000

Minimum purity 98.0 %

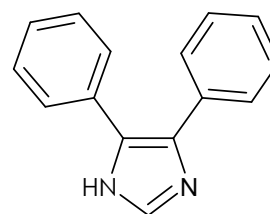


**4,5-Diphenyl imidazole**

CAS: 668-94-0, EINECS: 211-573-3

REACH: preregistered, reference nr. 05-2115752804-42-0000

Minimum purity 99.0 %

**Glycofurol***Polyethyleneglycol tetrahydrofurfuryl ether, Tetraglycol*

CAS: 31692-85-0

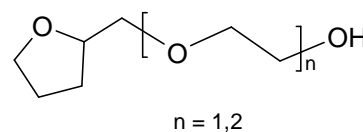
CAS: 5831-59-4, EINECS: 227-407-8

CAS: 52814-38-7, EINECS: 258-200-0

REACH : exempted

Minimum purity 99.0 % (n=1 + n=2)

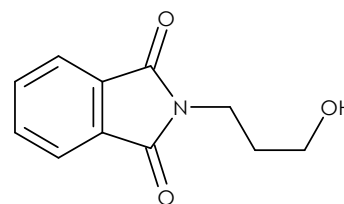
Excipient (solvent for Injectables)

**N-(3-Hydroxypropyl)-phthalimide***3-Phthalimido-1-propanol*

CAS: 883-44-3, EINECS: 212-931-1

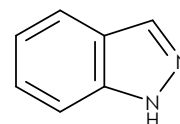
REACH: preregistered, reference nr. 05-2115752764-38-0000

Minimum purity 99.0%

**1H-Indazole**

CAS: 271-44-3, EINECS: 205-978-4

REACH: Not preregistered

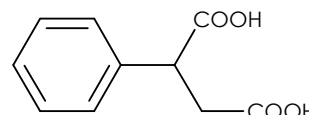
**D,L-2-Phenylsuccinic Acid***D,L-2-Phenylbutanedioic Acid*

CAS: 635-51-8, EINECS: 211-238-1

REACH: preregistered, reference nr. 05-2115752814-41-0000

Minimum purity 98.0 %

Application chemical in the electronic industry



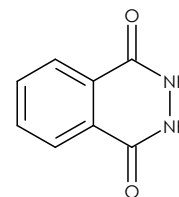
**Phthalhydrazide**

*2,3-Dihydro-1,4-phthalazinedione*

CAS: 1445-69-8, EINECS: 215-893-4

REACH: preregistered, reference nr. 05-2115752760-46-0000

Minimum purity 99.0 %



**Sodium Bromide**

CAS 7647-15-6, EINECS: 231-599-9

REACH: preregistered, reference nr. 05-2115752754-39-0000

Minimum purity 99.0 %

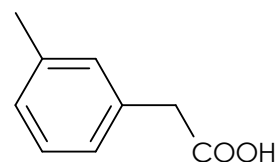
Application in bromine production and drilling fluids

NaBr

**m-Tolyl Acetic acid**

CAS 621-36-3, EINECS: 210-683-9

REACH: preregistered, reference nr. 05-2115752779-27-0000



## Product index

N-Acetyl glycine	17
3-Amino-4-carbethoxypyrazole	15
5-Amino-4,6-dihydroxy-2-methylpyrimidine	12
2-Amino-4,6-dihydroxypteridine Monohydrate	17
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2-Amino-4,6-dimethylpyrimidine	12
2-Amino-4-hydroxy-6-isopropylpyrimidine	12
2-Amino-4-hydroxy-6-methylpyrimidine	12
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3-Amino-5-hydroxypyrazole	15
Benzil	9
Benzilic Acid	9
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N-(2-Bromoethyl)-phthalimide (BREPI)	10
N-(3-Bromopropyl)-phthalimide (BROPPI)	10
(S)-N-(1-Bromo-2-propyl)phthalimide	17
5-n-Butyl barbituric acid (BUBA)	18
N-Butylphthalimide	18
Calcium Valproate	4
3-Carboxy-2-hydroxy-6-methylpyridine	14
Chalcone	18
(+)-4-Cholesten-3-one	18
Cyanoacetyl urea	18
3-Cyano-2-hydroxy-6-methylpyridine	14
1-Cyclohexyl-5-ethyl barbituric acid (CHEBA)	18
Deferiprone (DMHP)	6
2,5-Dihydroxy-1,4-benzoquinone	19
4,6-Dihydroxy-2-methylpyrimidine	13
4,4'-Dimethylbenzil	19
2,5-Dimethyl benzoxazole	19
2,4-Dimethyl-6-hydroxypyrimidine	13
4,6-Dimethyl-2-hydroxypyrimidine	13
4,6-Dimethyl-2-hydroxypyrimidine Hydrochloride	13
3,5-Dimethylpyrazole	16
2,2-Diphenyl acetic acid	19
2,2-Diphenyl glycine	19
4,5-Diphenyl imidazole	19
Divalproex Sodium	4
Ethosuximide	4
Ethyl benzilate	10
Glycofurool	20
N-(2-Hydroxyethyl)-phthalimide (HEPI)	10
2-Hydroxy-6-methylpyridine	14
2-Hydroxy-4-methylpyrimidine Hydrochloride	13
N-(3-Hydroxypropyl)-phthalimide (HYPPPI)	20
2-Hydroxypyrimidine Sulphate	14
1H-Indazole	20

Magnesium Pemoline	7
Magnesium Valproate	4
Methyl benzilate	11
Oxaprozin	7
Pemoline	7
Phenylethylacetylurea (PEAU)	5
D,L-2-Phenylsuccinic Acid	20
Phenytoin	5
Phenytoin Calcium	5
Phenytoin Sodium	5
Phthalhydrazide	21
N-Phthaloylglycine (GLYPI)	11
Phthalylsulfacetamide	7
Polyethyleneglycol tetrahydrofurfuryl ether	20
1H-Pyrazole-1-carboxamide hydrochloride	16
1H-Pyrazole-1-carboxamide sulfate	16
2,4-Pyridinedicarboxylic Acid Monohydrate	15
2,5-Pyridinedicarboxylic Acid	14
3,4-Pyridinedicarboxylic Acid	15
3,5-Pyridinedicarboxylic Acid	15
3,5-Pyrazoledicarboxylic Acid Monohydrate	16
3,5-Pyrazoledicarboxylic Acid Diethyl Ester	16
Sodium Bromide	21
Sodium Valproate	5
Sulfacetamide	7
Sulfacetamide Sodium	8
Sulfanilamide	11
Tetraglycol	20
m-Tolyl Acetic acid	21
Valdisoval	6
Valproic Acid	6
Valpromide	6
Xantopterin	17

## CAS numbers cross reference table

CAS number	Product name
57-41-0	Phenytoin
63-74-1	Sulfanilamide
67-51-6	3,5-Dimethylpyrazole
76-89-1	Methyl benzilate
76-93-7	Benzilic Acid
77-67-8	Ethosuximide
90-49-3	Phenylethylacetylurea
94-41-7	Chalcone
99-66-1	Valproic Acid
100-26-5	2,5-Pyridinedicarboxylic Acid
108-79-2	4,6-Dimethyl-2-hydroxypyrimidine
117-34-0	2,2-Diphenyl acetic acid
119-53-9	Benzoin
131-69-1	Phthalylsulfacetamide
134-81-6	Benzil
144-80-9	Sulfacetamide
271-44-3	1H-Indazole
490-11-9	3,4-Pyridinedicarboxylic Acid
499-80-9	2,4-Pyridinedicarboxylic Acid Monohydrate
499-81-0	3,5-Pyridinedicarboxylic Acid
538-51-2	N-Benzylideneaniline
543-24-8	N-Acetyl glycine
574-98-1	N-(2-Bromoethyl)phthalimide
579-44-2	Benzoin
601-57-0	(+)-4-Cholesten-3-one
615-94-1	2,5-Dihydroxy-1,4-benzoquinone
621-36-3	m-Tolyl Acetic acid
630-93-3	Phenytoin Sodium
635-51-8	D,L-2-Phenylsuccinic Acid
668-94-0	4,5-Diphenyl imidazole
767-15-7	2-Amino-4,6-dimethylpyrimidine
767-16-8	4-Amino-6-hydroxy-2-methylpyrimidine Dihydrate
837-32-1	1-Cyclohexyl-5-ethyl barbituric acid
883-44-3	N-(3-Hydroxypropyl)phthalimide
1069-66-5	Sodium Valproate
1445-69-8	Phthalhydrazide
1515-72-6	N-Butylphthalimide
1953-33-9	5-n-Butyl barbituric acid
2152-34-3	Pemoline
2430-27-5	Valpromide
3060-50-2	2,2-Diphenyl glycine
3112-31-0	3,5-Pyrazoledicarboxylic Acid Monohydrate
3279-76-3	2-Hydroxy-6-methylpyridine
3457-48-5	4,4'-Dimethylbenzil
3891-07-4	N-(2-Hydroxyethyl)phthalimide
3977-29-5	2-Amino-4-hydroxy-6-methylpyrimidine
4023-02-3	1H-Pyrazole-1-carboxamide hydrochloride

4241-27-4	3-Cyano-2-hydroxy-6-methylpyridine
4263-52-9	2-Bromoethanesulfonic Acid Sodium Salt
4702-13-0	N-Phthaloylglycine
5348-51-6	2-Hydroxy-4-methylpyrimidine Hydrochloride
5445-51-2	1,1-Cyclobutane dicarboxylic acid
5460-29-7	N-(3-Bromopropyl)phthalimide
5676-58-4	2,5-Dimethyl benzoxazole
5831-59-4	Glycofurol
5979-01	Xanthopterin
6126-22-3	3-Amino-5-hydroxypyrazole
6209-17-2	Sulfacetamide Sodium
6622-92-0	2,4-Dimethyl-6-hydroxypyrimidine
6994-25-8	3-Amino-4-carbethoxypyrazole
7647-15-6	Sodium bromide
9194-07-7	2-Hydroxy-6-methylpyridine
15788-16-6	5-Benzimidazolecarboxylic Acid
17199-74-5	Phenytoin Calcium
18968-99-5	Magnesium Pemoline
21256-18-8	Oxaprozin
30652-11-0	Deferiprone
31692-85-0	Glycofurol
33433-82-8	Calcium Valproate
34289-60-6	4,6-Dimethyl-2-hydroxypyrimidine Hydrochloride
37687-24-4	3,5-Pyrazoledicarboxylic Acid Diethyl Ester
38116-61-9	3-Carboxy-2-hydroxy-6-methylpyridine
40497-30-1	4,6-Dihydroxy-2-methylpyrimidine
52182-15-7	Ethyl benzilate
52814-38-7	Glycofurol
62959-43-7	Magnesium Valproate
69340-97-2	5-Amino-4,6-dihydroxypyrimidine
76584-70-8	Divalproex Sodium
90010-00-7	2-Hydroxypyrimidine Sulphate
98797-08-1	5-Amino-4,6-dihydroxy-2-methylpyrimidine
207671-42-9	2,4-Pyridinedicarboxylic Acid Monohydrate
412958-80-6	3-Amino-4-carbethoxypyrazole
735676-32-6	2-Amino-4-hydroxy-6-isopropylpyrimidine

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