



Choline Chloride

Name: Choline Chloride

Chemical name: (2-Hydroxyethyl)
trimethylammonium Chloride

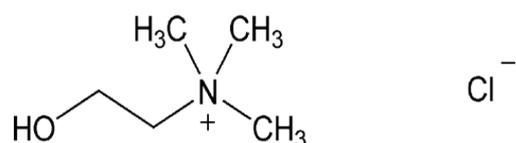
CAS number: 67-48-1

EINECS: 200-655-4

Molecular formula: $C_5H_{14}ClNO$

Molecular Weight: 139.65

Chemical Structure:



Physical/Chemical characteristics

Appearance: Colorless or white crystals

Odor: odorless or faint characteristic odor

Melting point: 305 °C

Bulk density: 0.7-0.75g/mL

Solubility: 440g/100g, 25 °C

Pharmacopoeia: USP

Product specification*

Assay: 99.0-100.5% d.s.

pH(10% solution): 4.0-7.0

Loss on dry: max 0.5%

Residue on ignition: max 0.05%

*Only selected data is represented here, for a full set of specifications we refer to our Specifications sheet.

Applications

Choline chloride belongs to the vitamins in vitamin B group, and is an important composition of lecithinum., acetylcholine and phosphatidylcholine. It is used in many fields like:

- Infant formulas and formulas for special medical purposes intended for infants, follow-up formulas, processed cereal-based foods for infants and young children, canned baby foods and special pregnant milks.
- Geriatric / parenteral nutrition and special feeding needs .
- Veterinary uses and special feeding supplement.
- Pharmaceutical uses: Hepatic protector and anti-stress preparations.
- Multivitamin complexes, and energy and sport drinks ingredient.

Potential benefits

- Choline directly affects your brain's ability to produce neurotransmitters essential for good emotional and mental health.
- Choline also helps to prevent the accumulation of fats in your liver.
- Choline helps facilitate the removal of

waste and toxins from your body

- An effective weight-loss supplement because it can help your body break down fat.

Usage

Contains 74.5% of choline cation
Please refer to Dietary Reference Intakes (DRIs) for Choline, be established by the local food regulations, as legislation regarding its use in food may vary from country to country. In the USA, an adequate intake of 550 mg daily in men and 425 mg daily in women has been determined for choline. The tolerable upper intake level for adults is 3.5 g daily.

Safety and Regulatory

The product meets the specifications laid down by the FAO/WHO, the EU regulation on food additives, USP and the US Food Chemical Codex.

It is lactose free and gluten free, Non-GMO, Non-ETO; BSE/TSE free.

Certifications and statements

KOSHER certified

Shelf life

Two year from date of manufacture when stored in original packaging.

Storage conditions

Store in the original sealed container in a cool and dry place out of direct sunlight. Store below 40°C.

Packaging

25 kg fiber drums with two polyethylene inner bag or as per your request.

Further information

The tolerances are given in the product specification sheet. Further safety information is provided in our Material Safety Data Sheet.



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Jinan Jiuan Ester Chemical Co., Ltd.
Industrial Park, Zhangqiu, Jinan, China

Http:// www.pengbobio.com
TEL:0086-531-82687186

E-mail:info@pengbobio.com
FAX: 0086-531-82687186