



Choline Dihydrogen Citrate

Name: Choline Dihydrogen Citrate

Chemical name: 2-hydroxyethyl-trimethyl-ammonium citrate

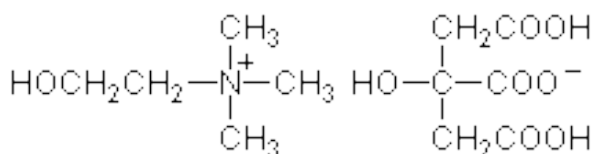
CAS No.: 77-91-8

EINECS: 201-068-6

Molecular Formula: $C_{11}H_{21}NO_8$

Molecular Weight: 295.27

Chemical Structure:



Physical/Chemical characteristics

Appearance: White crystalline powder

Odor: odorless or faint characteristic odor

Melting point: 103 - 108° C

Bulk density: 0.55-0.70g/mL

Solubility: 360g/100g, water 25° C

Product specification*

Assay: 98.0-101.0% d.s.

pH(10% solution): 3.5-4.5

Loss on dry: max 0.25%

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 Dihydrogen Citrate is formed when

choline is combined with citrate acid. This increases its bioavailability, making it easier to absorb and more effective. Choline dihydrogen citrate is one of the more popular choline sources as it is more economical than other choline sources. It is considered a cholinergic compound as it increases levels of acetylcholine within the brain.

It is used in many fields like:

- Maintain a healthy balance of choline.
- 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 35.2% of choline cation.

The recommended dosage of choline dihydrogen citrate is 500mg once per day. The appropriate dose depends on several factors such as the user's age, health, and several other conditions.

Please according to the prescription and consult your pharmacist or physician or other healthcare professional before using.

Special Precautions & Warnings:

It can cause upset stomachs, and at higher doses may cause headaches, difficulty focusing, and even depression. To that effect, make sure you're taking the right amount of choline dihydrogen citrate.

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.

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.

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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JinanJiuan 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