

TECHNICAL DATA SHEET

Alpha glycerol phosphoryl choline Powder

99%

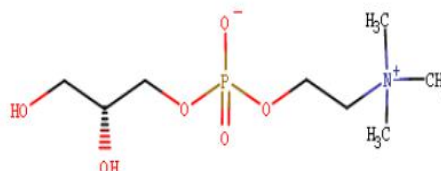
Chemical Properties

CAS NO.: 28319-77-9

EINECS NO.: 248-962-2

Molecular Formula: C₈H₂₀NO₆P

Molecular Weight: 257.22



Description

L-Alpha glyceryl phosphoryl choline (alpha-GPC, choline alfoscerate) is a natural choline compound found in the brain. Glycerol phosphoryl choline is the product of complete hydrolysis of the two fatty acyl groups on the phosphatidylcholine (PC) molecule. It is also a parasympathomimetic acetylcholine precursor which may have potential for the treatment of Alzheimer's disease and other dementias.

Solubility

It is soluble in water.

Specifications

Item	Specification	Test Method
Appearance	White powder, neutral odor, highly hygroscopic.	Visual
Identification (TLC)	Standard solution and test solution same spot, RF	In-house
Related substance	Spot not bigger than standard solution spot	In-house
Specific Optical	-2.4° ~ -2.8°	Polarimeter, In-house
Assay (dried basis)	98.0% - 102.0%	Potentiometric Titration, In-house
Sulfate (SO ₄)	Max 0.02%	Colorimetry
Chloride (Cl)	Max 0.02%	Colorimetry
Phosphate Ion (P)	Max 5.0ppm	Colorimetry
pH	5.0 ~ 7.0	pH Meter
Residual solvent	Max 2.0%	HS-GC
Water Content	Max 2.0%	K.F
Heavy Metals(as Pb)	Max 10.0ppm	AAS

Ingredients

Pure Alpha-GPC

Labeling

In the United States and the European Union: Alpha glycerol phosphoryl choline Powder

Functions

- 1) It can delay senility;
- 2) It can reduce high blood fat and cholesterol, prevent cardiovascular and cerebrovascular diseases;
- 3) It can improve the brain and prevent senile dementia.

Applications

It can be used in health and pharmaceutical industries.

Safety

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene. See Material Safety Data Sheet for full safety information.

Handling recommendations

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Do not store in direct sunlight. Store in a tightly closed container, dry area away from incompatible substances.

Packaging, Storage & Shelf Life

Package: 25kg/drum; or according to customers' requirements.

Storage: Store in cool and dry place.

Shelf life: 2 years if sealed and stored properly.