

## TECHNICAL DATA SHEET

# Alpha glycerol phosphoryl choline Powder

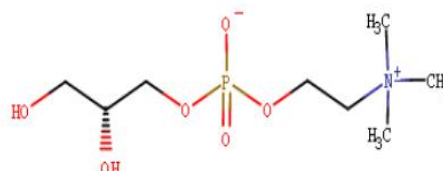
## 50%

### Chemical Properties

CAS NO.: 28319-77-9

Molecular Formula: C<sub>8</sub>H<sub>20</sub>NO<sub>6</sub>P

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. The content of dicalcium phosphate dihydrate and silicon dioxide are respectively 43.5~48.5% and 0.5~1.5%.

### Solubility

It is soluble in water.

### Specifications

Item	Specification	Test Method
Appearance	White powder	Visual
Identification (TLC)	Identical to R.S. sample	In-house
Assay	Min 50.0%	Potentiometric Titration, KP
Moisture	Max 3.0%	K.F
Heavy Metals	Max 10.0ppm	Colorimetry
Total plate count	Max 1,000 cfu/g	USP
Yeast and mold	Max 100 cfu/g	USP
Coliforms	Negative	USP
<i>Salmonella</i>	Negative	USP

### Ingredients

Alpha-GPC 50%

### 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

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It can be used in health and pharmaceutical industries.

## Safety

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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

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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

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

Storage: Store in cool and dry place.

Shelf life: 2 years if sealed and stored properly.