

sn-Glycero-3-phosphocholine

Catalog No: tcsc2195



Available Sizes

Size: 1g

Size: 5g

Size: 10g



Specifications

CAS No:

28319-77-9

Formula:

$C_8H_{20}NO_6P$

Pathway:

Neuronal Signaling;Metabolic Enzyme/Protease

Target:

AChE;Endogenous Metabolite

Purity / Grade:

>98%

Solubility:

H₂O : ≥ 2.8 mg/mL (10.89 mM)

Alternative Names:

Choline Alfoscerate;Alpha-GPC;L-α-GPC

Observed Molecular Weight:

257.22

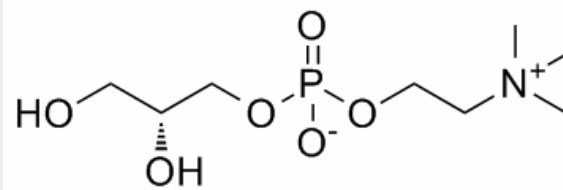
Product Description

L-Alpha glycerylphosphorylcholine (alpha-GPC, choline alfoscerate) is a natural choline compound found in the brain and in milk. It is also a parasympathomimetic acetylcholine precursor which may have potential for the treatment of Alzheimer's disease and dementia.

IC50 value:

Target: Anti-AD

Alpha-GPC rapidly delivers choline to the brain across the blood-brain barrier and is a biosynthetic precursor of the acetylcholine neurotransmitter. It is a non-prescription drug in most countries due to its Generally Recognised As Safe (GRAS) status [1]. Studies have investigated its efficacy for cognitive disorders including stroke and Alzheimer's disease. An Italian multicentre clinical trial on 2,044 patients suffering from recent stroke were supplied alpha-GPC in doses of 1,000 mg/day for 28 days and 400 mg three times per day for the five ensuing months. The trial confirmed the therapeutic role of alpha-GPC on the cognitive recovery of patients based on four measurement scales, three of which reached statistical significance [2].



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