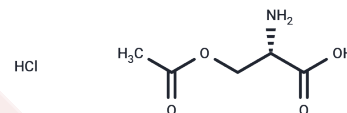


O-Acetyl-L-serine hydrochloride

Chemical Properties

CAS No. :	66638-22-0
Formula:	C ₅ H ₁₀ ClNO ₄
Molecular Weight:	183.59
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	O-Acetylserine (OASS) is an acylated amino acid derivative. It is an intermediate in the biosynthesis of the common amino acid cysteine in bacteria and plants. Its presence in humans arises from either microbial metabolism in the gut or through consumption of foods containing OASS.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 50 mg/mL (272.35 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4469 mL	27.2346 mL	54.4692 mL
5 mM	1.0894 mL	5.4469 mL	10.8938 mL
10 mM	0.5447 mL	2.7235 mL	5.4469 mL
50 mM	0.1089 mL	0.5447 mL	1.0894 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Sreekumar A , Poisson L M , Rajendiran T M , et al. Corrigendum: Metabolomic profiles delineate potential role for sarcosine in prostate cancer progression[J]. Nature, 2009, 457(7231):910-914.

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