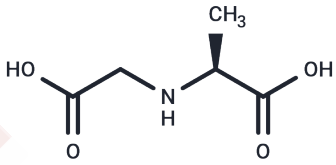
Data Sheet (Cat.No.T66493)

TargetMol

Strombine

Chemical Properties



CAS No. : 56857-47-7

Formula: C5H9NO4

Molecular Weight: 147.13

Storage: Keep away from moisture,Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	(S)-2-((Carboxymethyl)amino)propanoic acid is a useful organic compound for research related to life sciences. The catalog number is T66493 and the CAS number is 56857-47-7.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 20 mg/mL (135.93 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.7967 mL	33.9836 mL	67.9671 mL
5 mM	1.3593 mL	6.7967 mL	13.5934 mL
10 mM	0.6797 mL	3.3984 mL	6.7967 mL
50 mM	0.1359 mL	0.6797 mL	1.3593 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

Fields JH, et al. Alanopine and strombine are novel imino acids produced by a dehydrogenase found in the adductor muscle of the oyster, Crassostrea gigas. Arch Biochem Biophys. 1980 Apr 15;201(1):110-4.
Loomis S H, et al. Identification of strombine and taurine as cryoprotectants in the intertidal bivalve Mytilus edulis [J]. BBA - Biomembranes, 1988, 943(2):113-118.

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