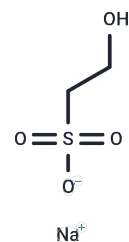


Isethionic acid sodium salt

Chemical Properties

CAS No. :	1562-00-1
Formula:	C ₂ H ₅ NaO ₄ S
Molecular Weight:	148.11
Storage:	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	Isethionic acid sodium salt (Sodium isethionate) is an organosulfur compound containing a short chain alkane sulfonate linked to a hydroxyl group. Mammals are able to endogenously synthesize Isethionic acid sodium salt via taurine through a possible enzymatic deamination process. Isethionic acid sodium salt can be found in both human plasma and urine. Higher plasma levels of Isethionic acid sodium salt have been shown to be protective against type 2 diabetes.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 60 mg/mL (405.1 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	6.7517 mL	33.7587 mL	67.5174 mL
5 mM	1.3503 mL	6.7517 mL	13.5035 mL
10 mM	0.6752 mL	3.3759 mL	6.7517 mL
50 mM	0.135 mL	0.6752 mL	1.3503 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

Sturman JA, et al. Metabolism of [³⁵S]taurine in man. J Nutr. 1975 Sep;105(9):1206-14.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481