Data Sheet (Cat.No.T36482)

TargetMol

Lamotrigine isethionate

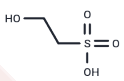
Chemical Properties

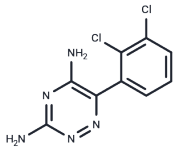
CAS No. : 113170-86-8

Formula: C11H13Cl2N5O4S

Molecular Weight: 382.22

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	Water-soluble salt of lamotrigine . Displays anticonvulsant effects and inhibits glutamate release, possibly through inhibition of Na+, K+ and Ca2+ currents.
Targets(IC50)	Others,Autophagy,Sodium Channel

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6163 mL	13.0815 mL	26.1629 mL
5 mM	0.5233 mL	2.6163 mL	5.2326 mL
10 mM	0.2616 mL	1.3081 mL	2.6163 mL
50 mM	0.0523 mL	0.2616 mL	0.5233 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

Leach et al (1991) Neurochemical and behavioral aspects of lamotr. Epilepsia 32 S4 PMID:1685439
Smith and Meldrum (1995) Cardioprotective effect of lamotr. after focal ischemia in rats. Stroke 26 117 PMID: 7839380
Zona and Avoli (1997) Lamotrigine reduces voltage-gated sodium currents in rat central neurons in culture. Epilepsia 38 522 PMID:9184596
Grunze et al (1998) Modulation of calcium and potassium currents by lamotr. Neuropsychobiology 38 131 PMID: 9778600

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