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**Product Data Sheet**

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Product Name: Lamotrigine isethionate

Cat. No.: GC50025

**Chemical Properties**

Cas. No. 113170-86-8

SMILES OCCS(O)(=O)=O.NC1=NC(N)=C(N=N1)C1=CC=CC(Cl)=C1ClFormula  $C_9H_7Cl_2N_5.C_2H_6O_4S$  M.Wt 382.22

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Water-soluble salt of lamotrigine . Displays anticonvulsant effects and inhibits glutamate release, possibly through inhibition of Na<sup>+</sup>, K<sup>+</sup> and Ca<sup>2+</sup> currents.

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

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA