

## Product Data Sheet

Product Name: Lamotrigine N2-oxide

Cat. No.: GC49538

### Chemical Properties

Cas. No. 136565-76-9

SMILES NC(N=C(N)C(C1=CC=CC(Cl)=C1Cl)=N2)=[N]2=O

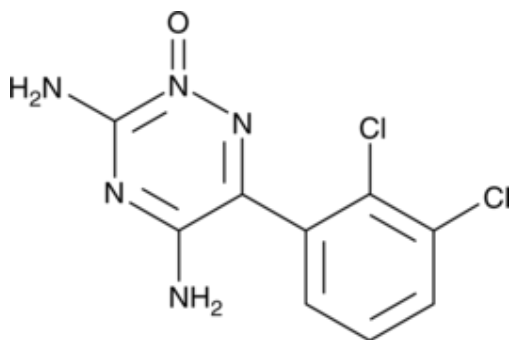
Formula C9H7Cl2N5O M.Wt 272.1

Solubility DMSO: slightly, Methanol: slightly Storage -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

Lamotrigine N2-oxide is a metabolite of the voltage-gated sodium channel inhibitor lamotrigine.<sup>1</sup>

1. Doig, M.V., and Clare, R.A. Use of thermospray liquid chromatography-mass spectrometry to aid in the identification of urinary metabolites of a novel antiepileptic drug, Lamotrigine. *J. Chromatogr.* 554(1-2):181-189 (1991)

**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