



Certificate of Analysis

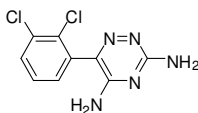
Axon Catalogue ID: 1353 **Batch Number:** 1

Product Name: Lamotrigine

Alternative Name(s): N.A.

IUPAC Name: 6-(2,3-Dichlorophenyl)-1,2,4-triazine-3,5-diamine

Structure:



Amount:

CAS number(s): 84057-84-1

Molecular Formula: C₉H₇Cl₂N₅

Molecular Weight: 256.09

Batch Molecular Formula: C₉H₇Cl₂N₅

Batch Molecular Weight: 256.09

Appearance: White solid

Observed mp: 217.9 - 218.4 °C

TLC (R_f): ND

Chemical Purity: 99.9%

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 42.21, H 2.76, N 27.35, Other: 27.69; Found: C ND, H ND, N ND, Other: ND

Storage Conditions: Desiccate at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	25.6	>100 mM	
	EtOH			Not Tested

Remarks: Poorly soluble in water, slightly soluble in acidic solutions and ethanol.

QC Date: 24-7-2023

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only