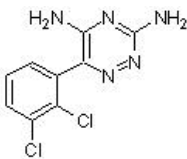


Product datasheet

Lamotrigine, Anticonvulsant ab142527

1 Image

Overview

Product name	Lamotrigine, Anticonvulsant
Description	Anticonvulsant
Biological description	Anticonvulsant. Active <i>in vivo</i> and orally bioavailable. Various pharmacological activities including sodium channel blocking ($K_i = 9 \mu\text{M}$). Selectively inhibits seizure discharges over normal neuronal activity.
Purity	> 98%
CAS Number	84057-84-1
Chemical structure	

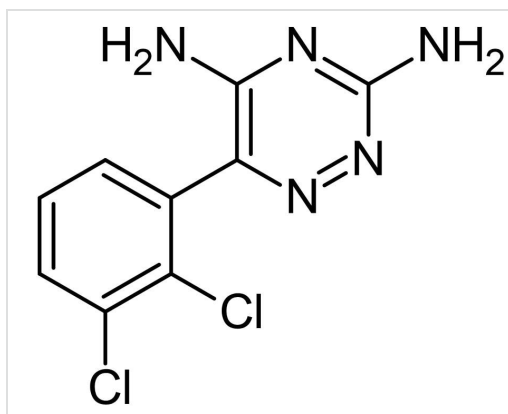
Properties

Chemical name	6-(2,3-Dichlorophenyl)-1,2,4-triazine-3,5-diamine
Molecular weight	255.01
Molecular formula	$\text{C}_9\text{H}_7\text{Cl}_2\text{N}_5$
PubChem identifier	3878
Storage instructions	Store at -20°C . It is important to note that this is air sensitive and impurities can occur as a result of air oxidation. Store under desiccating conditions.
Solubility overview	Soluble in DMSO to 25 mM (with warming) and in ethanol to 25 mM (with warming)
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	<chem>C1=CC(=C(C(=C1)Cl)Cl)C2=C(N=C(N=N2)N)N</chem>

Source

Synthetic

Images



2D chemical structure image of ab142527, Lamotrigine, Anticonvulsant

Chemical Structure - Lamotrigine, Anticonvulsant
(ab142527)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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