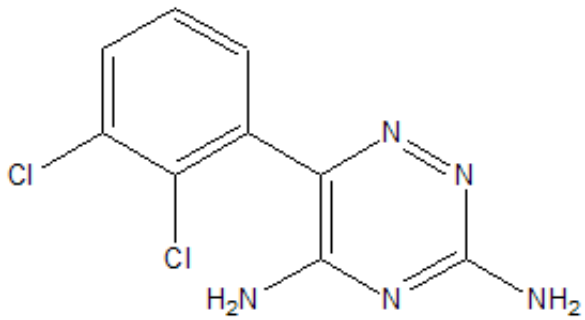


Records found: 1

Compound: Lamotrigine							
							
CAS:		84057-84-1					
Category:		Central Nervous System Agents					
Subcategory:		Anticonvulsants					
Formula:		C9 H7 Cl2 N5					
Molecular Weight:		256.1					
SMILES:		NC1=NC(N)=C(N=N1)C1=C(Cl)C(Cl)=CC=C1>					
pKa:		5.7					
Low est Solubility (mg/ml):		0.17					
Human Permeability (x 10 ⁴ cm/s):		N/A					
cLogP (BioLoom 5.0):	2.53	HIGH Permeability					
logP:	2.5	HIGH Permeability					
Country List:	Minimum Dose (mg)	Maximum Dose (mg)	Do (min)**	Do (max)**	Solubility	BCS Class (cLogP)	BCS Class (logP)
SP	50.0	100.0	1.1764705	2.352941	LOW	Class II	Class II
US	25.0	200.0	0.58823526	4.705882	LOW*	Class II*	Class II*
UK	2.0	200.0	0.047058824	4.705882	LOW*	Class II*	Class II*

* At the lowest dose strength, this is a HIGH solubility compound.

** A volume of 250 mL is used for the drugs on the US, UK, SP, KOR, and WHO lists, and a volume of 150 mL is used for drugs on the JP list.