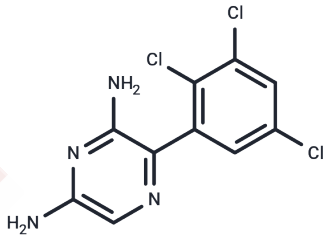
Data Sheet (Cat.No.T31614)

TargetMol

Elpetrigine

Chemical Properties



CAS No. : 212778-82-0

Formula: C10H7Cl3N4

Molecular Weight: 289.55

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Elpetrigine (GW273293) is a potential sodium channel blocker with antiepileptic activity that can be used to study epilepsy.
Targets(IC50)	Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4536 mL	17.2682 mL	34.5363 mL
5 mM	0.6907 mL	3.4536 mL	6.9073 mL
10 mM	0.3454 mL	1.7268 mL	3.4536 mL
50 mM	0.0691 mL	0.3454 mL	0.6907 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Vohora D, et al. Recent advances in adjunctive therapy for epilepsy: focus on sodium channel blockers as third-generation antiepileptic drugs. Drugs Today (Barc). 2010 Apr;46(4):265-77.

Ismail IM,et al. N-O glucuronidation: a major human metabolic pathway in the elimination of two novel anti-convulsant drug candidates. Xenobiotica. 2002 Jan;32(1):29-43.

Diao X, et al. Strategies to distinguish new synthetic cannabinoid FUBIMINA (BIM-2201) intake from its isomer THJ-2201: metabolism of FUBIMINA in human hepatocytes. Forensic Toxicol. 2016;34:256-267.

French JA, et al. Effects of marketed antiepileptic drugs and placebo in the human photosensitivity screening protocol. Neurotherapeutics. 2014 Apr;11(2):412-8.

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