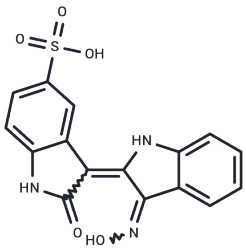
Data Sheet (Cat.No.T11652)

TargetMol

Indirubin-3'-monoxime-5-sulphonic acid

Chemical Properties



CAS No. : 331467-05-1

Formula: C16H11N3O5S

Molecular Weight: 357.34

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	Indirubin-3'-monoxime-5-sulphonic acid is a potent and selective inhibitor of GSK-3β, CDK5, and CDK1, with IC50s of 80 nM, 5 nM, and 7 nM, respectively.
Targets(IC50)	Others,CDK,GSK-3

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7985 mL	13.9923 mL	27.9846 mL
5 mM	0.5597 mL	2.7985 mL	5.5969 mL
10 mM	0.2798 mL	1.3992 mL	2.7985 mL
50 mM	0.056 mL	0.2798 mL	0.5597 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

Leclerc S, et al. Indirubins inhibit glycogen synthase kinase-3 beta and CDK5/p25, two protein kinases involved in abnormal tau phosphorylation in Alzheimer's disease. A property common to most cyclin-dependent kinase inhibitors. J Biol Chem. 2001 Jan 5;276(1):251-60.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481