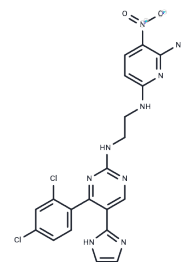


CHIR 98024

Chemical Properties

CAS No. : 556813-39-9
 Formula: C₂₀H₁₇Cl₂N₉O₂
 Molecular Weight: 486.31
 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	CHIR 98024 is a potent GSK-3 α/β inhibitor with IC ₅₀ of 0.65 nM/0.58 nM in cell-free assays, with the ability to distinguish GSK-3 from its closest homologs Cdc2 and ERK2.
Targets(IC ₅₀)	GSK-3,S6 Kinase

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 6.88 mg/mL (14.15 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0563 mL	10.2815 mL	20.563 mL
5 mM	0.4113 mL	2.0563 mL	4.1126 mL
10 mM	0.2056 mL	1.0282 mL	2.0563 mL
50 mM	0.0411 mL	0.2056 mL	0.4113 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

Ring DB,et al. Diabetes. 2003, 52(3), 588-595.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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