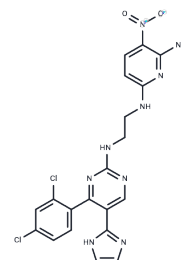


CHIR 98024

Chemical Properties

CAS No. : 556813-39-9
 Formula: C₂₀H₁₇Cl₂N₉O₂
 Molecular Weight: 486.31
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



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 (14.14 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

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.

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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