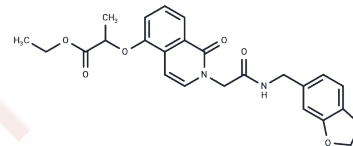


SID7970631

Chemical Properties

CAS No. : 868224-75-3
 Formula: C₂₄H₂₄N₂O₇
 Molecular Weight: 452.46
 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	SID7970631 is an isoquinolinone analog and a potent, selective submicromolar SF-1 (Steroidogenic Factor-1, NR5A1) inhibitor/inverse agonist with an IC ₅₀ of 255 nM. It inhibits SF-1-mediated transcriptional activity and exhibits significant cytotoxic effects on SF-1-dependent cancer cell lines. SID7970631 is widely utilized in research exploring therapeutic mechanisms for cancers such as adrenocortical carcinoma.
Targets(IC ₅₀)	Orphan Receptor
In vitro	SID7970631 dose-dependently inhibits SF-1-driven luciferase expression (IC ₅₀ =255 nM) and shows cytotoxicity in SF-1-positive H295R cells [1].

Solubility Information

Solubility	DMSO: 80 mg/mL (176.81 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2101 mL	11.0507 mL	22.1014 mL
5 mM	0.442 mL	2.2101 mL	4.4203 mL
10 mM	0.221 mL	1.1051 mL	2.2101 mL
50 mM	0.0442 mL	0.221 mL	0.442 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

Madoux F, et al. Potent, selective and cell penetrant inhibitors of SF-1 by functional ultra-high-throughput screening. Mol Pharmacol. 2008;73(6):1776-1784.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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