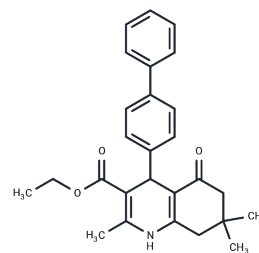


ITD-1

Chemical Properties

CAS No. : 1099644-42-4
 Formula: C₂₇H₂₉N₃O₃
 Molecular Weight: 415.52
 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	ITD-1 is a potent and highly selective TGFβ pathway inhibitor.
Targets(IC50)	TGF-beta/Smad

Solubility Information

Solubility	DMSO: 8.31 mg/mL (20 mM),Sonication is recommended. Ethanol: 4.16 mg/mL (10.01 mM),Heating is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.41 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4066 mL	12.0331 mL	24.0662 mL
5 mM	0.4813 mL	2.4066 mL	4.8132 mL
10 mM	0.2407 mL	1.2033 mL	2.4066 mL
50 mM	0.0481 mL	0.2407 mL	0.4813 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

Willems E, et al. Cell Stem Cell. 2012 Aug 3;11(2):242-252.

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