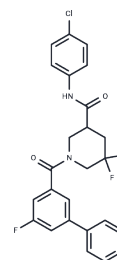


CCG-257081

Chemical Properties

CAS No. : 1922098-90-5
 Formula: C₂₄H₁₉ClF₃N₃O₂
 Molecular Weight: 473.87
 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	CCG-257081 (MRTF/SRF-IN-1) is an inhibitor of cardiac myosin-related transcription factor and serum response factor (MRTF/SRF) that acts by inhibiting the Rho/MRTF/SRF pathway. CCG-257081 has shown efficacy in preventing bleomycin-induced fibrosis in several mouse models. CCG-257081 can be used in cancer prevention and fibrosis research.
Targets(IC50)	Rho,Ras

Solubility Information

Solubility	DMSO: 50 mg/mL (105.51 mM), Sonication 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: 5 mg/mL (10.55 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	2.1103 mL	10.5514 mL	21.1028 mL
5 mM	0.4221 mL	2.1103 mL	4.2206 mL
10 mM	0.211 mL	1.0551 mL	2.1103 mL
50 mM	0.0422 mL	0.211 mL	0.4221 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

Larsen Scott D, et al. Preparation of substituted piperidine-3-carboxamides as inhibitors of myocardin-related transcription factor and serum response factor (MTRF/SRF)-mediated gene transcription. WO2016073847 A2.

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