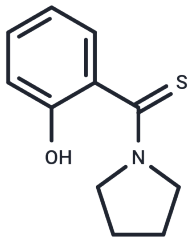
Data Sheet (Cat.No.T5469)

TargetMol

K-Ras-IN-1

Chemical Properties



CAS No. : 84783-01-7

Formula: C11H13NOS

Molecular Weight: 207.29

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	K-Ras-IN-1, a K-Ras inhibitor, is characterized by its chemical formula C20H19ClN4O2S and is also known as N-[(1S)-3-cyclopropyl-1-[(6-fluoro-1H-benzimidazol-2-yl)sulfanyl]-2-oxo-1-(phenylmethyl)propyl]-4-fluorobenzenesulfonamide (compound [18, dashboard 819041] in brackets).
Targets(IC50)	Raf,Ras,Kras

Solubility Information

Solubility	DMSO: 28 mg/mL (135.08 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: 2 mg/mL (9.65 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8242 mL	24.1208 mL	48.2416 mL
5 mM	0.9648 mL	4.8242 mL	9.6483 mL
10 mM	0.4824 mL	2.4121 mL	4.8242 mL
50 mM	0.0965 mL	0.4824 mL	0.9648 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

Hocker HJ, et al. LIBSA--a method for the determination of ligand-binding preference to allosteric sites on receptor ensembles. J Chem Inf Model. 2014 Feb 24;54(2):530-538.

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