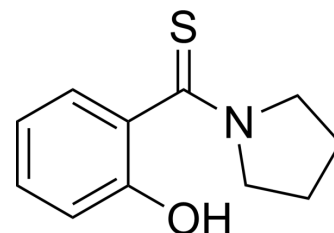


K-Ras-IN-1

Cat. No.:	HY-18674		
CAS No.:	84783-01-7		
Molecular Formula:	C ₁₁ H ₁₃ NOS		
Molecular Weight:	207.29		
Target:	Ras		
Pathway:	GPCR/G Protein; MAPK/ERK Pathway		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (482.42 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	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	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (12.06 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (12.06 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (12.06 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	K-Ras-IN-1 is a K-Ras inhibitor. K-Ras-IN-1 binds K-Ras (WT), K-Ras (G12D), K-Ras (G12V), and H-Ras. K-Ras-IN-1 has the potential to be used in research on pancreatic, colon and lung cancer ^[1] .
IC ₅₀ & Target	K-Ras ^[1]

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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