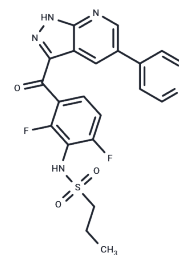


Darizmetinib

Chemical Properties

CAS No. :	2369583-33-3
Formula:	C ₂₁ H ₁₇ F ₂ N ₅ O ₃ S
Molecular Weight:	457.45
Storage:	Keep away from direct sunlight, Store at low temperature
	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Darizmetinib (HRX215, HRX-0215) is an MKK4 inhibitor. Inhibition of MKK4 leads to enhancement of the MKK7 and JNK1 signaling pathways, thereby activating the transcription factors ATF2 and ELK1, promoting cell proliferation and liver regeneration.
Targets(IC50)	Antiviral, NF-κB, MAPK, JNK, p38 MAPK, MDM-2/p53

Solubility Information

Solubility	DMSO: 180 mg/mL (393.49 mM), Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.186 mL	10.9302 mL	21.8603 mL
5 mM	0.4372 mL	2.186 mL	4.3721 mL
10 mM	0.2186 mL	1.093 mL	2.186 mL
50 mM	0.0437 mL	0.2186 mL	0.4372 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

Praefke B, et al. Preparation of pyrazolopyridines as protein kinase MKK4 inhibitors for promoting liver regeneration or reducing or preventing hepatocyte death: World Intellectual Property Organization, WO2019149738. 2019-08-08.

Zwirner S, et al. First-in-class MKK4 inhibitors enhance liver regeneration and prevent liver failure. Cell. 2024 Mar 28;187(7):1666-1684.e26.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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