

RMC-4630

Chemical Properties

CAS No. : 2172652-48-9

Formula: C₂₀H₂₇ClN₆O₂S

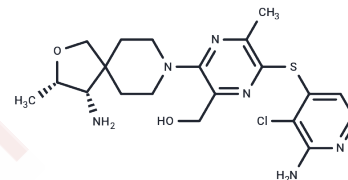
Molecular Weight: 450.99

Storage:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature

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	RMC-4630 (SHP2-IN-7) is an inhibitor of SHP2.
Targets(IC50)	Phosphatase

Solubility Information

Solubility	DMSO: 50 mg/mL (110.87 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 5 mg/mL (11.09 mM), Suspension. 10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2 mg/mL (4.43 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	2.2173 mL	11.0867 mL	22.1734 mL
5 mM	0.4435 mL	2.2173 mL	4.4347 mL
10 mM	0.2217 mL	1.1087 mL	2.2173 mL
50 mM	0.0443 mL	0.2217 mL	0.4435 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

Ash JOGALEKAR, et al. 2,5-disubstituted 3-methyl pyrazines and 2,5,6-trisubstituted 3-methyl pyrazines as allosteric shp2 inhibitors. WO2018013597A1

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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