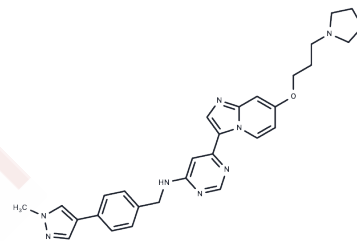


M4205

Chemical Properties

CAS No. : 2590556-80-0
 Formula: C₂₉H₃₂N₈O
 Molecular Weight: 508.62
 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	M4205 is an inhibitor of c-Kit exhibiting high activity on c-Kit mutations in exons 11, 13, 17.
Targets(IC50)	c-Fms,FLT,c-Kit,PDGFR,Src

Solubility Information

Solubility	DMSO: 10 mg/mL (19.66 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: 1 mg/mL (1.97 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	1.9661 mL	9.8305 mL	19.661 mL
5 mM	0.3932 mL	1.9661 mL	3.9322 mL
10 mM	0.1966 mL	0.9831 mL	1.9661 mL
50 mM	0.0393 mL	0.1966 mL	0.3932 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

Dieter Dorsch An, et al. 4-(imidazo[1,2-a]pyridin-3-yl) -pyrimidine derivatives. WO2021013864A1

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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