

CSF1R-IN-3

Chemical Properties

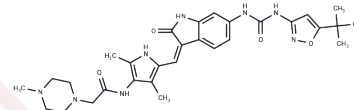
CAS No. : 2760584-90-3

Formula: C30H38N8O4

Molecular Weight: 574.67

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	CSF1R-IN-3 is an orally effective CSF-1R inhibitor with an IC50 value of 2.1 nM. CSF1R-IN-3 has anti-proliferative activity against colorectal cancer cells. CSF1R-IN-3 exhibits anti-tumour effects and immune enhancing effects by inhibiting the migration of macrophages and inducing the reprogramming of M2-type macrophages to M1-type macrophages, thus exhibited activity against colorectal cancer cells.
Targets(IC50)	c-Fms,CSF-1R

Solubility Information

Solubility	DMSO: 56.2 mg/mL (97.8 mM),Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7401 mL	8.7006 mL	17.4013 mL
5 mM	0.348 mL	1.7401 mL	3.4803 mL
10 mM	0.174 mL	0.8701 mL	1.7401 mL
50 mM	0.0348 mL	0.174 mL	0.348 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

Lv Q, et al. Discovery of (Z)-1-(3-((1H-Pyrrol-2-yl)methylene)-2-oxoindolin-6-yl)-3-(isoxazol-3-yl)urea Derivatives as Novel and Orally Highly Effective CSF-1R Inhibitors for Potential Colorectal Cancer Immunotherapy. J Med Chem. 2021 ; 64(23):17184-17208.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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