

c-Fms-IN-9

Chemical Properties

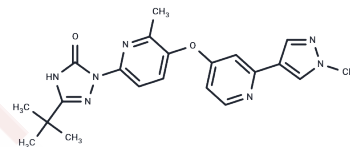
CAS No. : 1628574-50-4

Formula: C₂₁H₂₃N₇O₂

Molecular Weight: 405.45

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	c-Fms-IN-9 is a c-FMS inhibitor that inhibits unphosphorylated c-FMS kinase (uFMS) and uKIT with IC ₅₀ values of <0.01 μM and 0.1-1 μM, respectively.
Targets(IC ₅₀)	c-Fms
In vitro	c-Fms-IN-9 inhibits THP-1, M-NFS-60 and osteoclast cells proliferation (IC ₅₀ s: 0.01-0.1 μM).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4664 mL	12.332 mL	24.664 mL
5 mM	0.4933 mL	2.4664 mL	4.9328 mL
10 mM	0.2466 mL	1.2332 mL	2.4664 mL
50 mM	0.0493 mL	0.2466 mL	0.4933 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

Gary E. L. BRANDT, et al. 1,2,4-triazol-5-ones and analogs exhibiting anti-cancer and anti-proliferative activities. WO2014145023A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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