

Antiproliferative agent-34

Chemical Properties

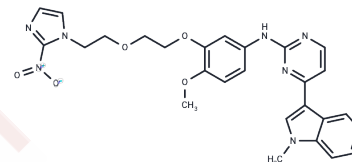
CAS No. : 2910858-34-1

Formula: C27H27N7O5

Molecular Weight: 529.55

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	Antiproliferative Agent-34 (Compound A14), a multitarget kinase inhibitor, demonstrates IC50 values of 177 nM for EGFR L858R/T790M and 1567 nM for EGFR WT. Additionally, it inhibits JAK2, ROS1, FLT3, FLT4, and PDGFR α with respective IC50s of 30.93 nM, 106.90 nM, 108.00 nM, 226.60 nM, and 42.53 nM. In normoxic conditions, it suppresses the proliferation of H1975 and HCC827 cells with IC50 values below 40 nM, while under hypoxic conditions, its potency increases 4-6 fold, yielding IC50 values less than 10 nM [1].
Targets(IC50)	EGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8884 mL	9.442 mL	18.884 mL
5 mM	0.3777 mL	1.8884 mL	3.7768 mL
10 mM	0.1888 mL	0.9442 mL	1.8884 mL
50 mM	0.0378 mL	0.1888 mL	0.3777 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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