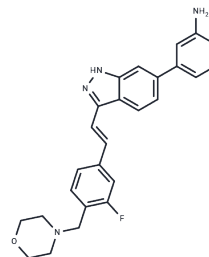


FLT3-IN-31

Chemical Properties

CAS No. : 2290545-53-6
 Formula: C₂₅H₂₄FN₅O
 Molecular Weight: 429.49
 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	FLT3-IN-31 (compound 10q) is a potent FLT3 inhibitor, with IC ₅₀ values of 0.16 nM for FLT3 and 2.4 nM for FLT3-D835Y, exhibiting antiproliferative activity. It reduces protein expression of p-FLT3, P-STAT5, and P-ERK. Additionally, FLT3-IN-31 induces apoptosis and causes cell cycle arrest at the G1 phase, displaying antitumor properties.
Targets(IC ₅₀)	Apoptosis,FLT

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3283 mL	11.6417 mL	23.2834 mL
5 mM	0.4657 mL	2.3283 mL	4.6567 mL
10 mM	0.2328 mL	1.1642 mL	2.3283 mL
50 mM	0.0466 mL	0.2328 mL	0.4657 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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