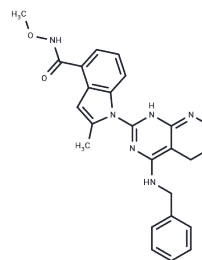


p97-IN-1

Chemical Properties

CAS No. : 3007658-96-7
 Formula: C₂₅H₂₆N₆O₂
 Molecular Weight: 442.51
 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	p97-IN-1 is an orally active inhibitor of p97 with an IC ₅₀ of 26 nM. It significantly impedes the proliferation of tumor cells and is applicable for research in acute myeloid leukemia (AML).
Targets(IC ₅₀)	p97
In vitro	p97-IN-1 (Compound V12) effectively inhibits the proliferation of various tumor cell lines at concentrations ranging from 0 to 10 μM over a period of 72 hours.
In vivo	p97-IN-1 (Compound V12), administered orally at 100 mg/kg and 300 mg/kg once daily, significantly inhibits tumor growth in Molm-13 xenografted female BALB/c nude mice, with no noticeable toxicity observed at higher doses.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2598 mL	11.2992 mL	22.5984 mL
5 mM	0.452 mL	2.2598 mL	4.5197 mL
10 mM	0.226 mL	1.1299 mL	2.2598 mL
50 mM	0.0452 mL	0.226 mL	0.452 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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