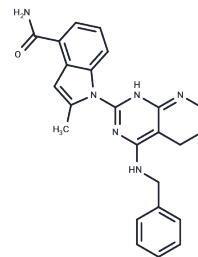


CB-5339

Chemical Properties

CAS No. : 1863952-15-1
 Formula: C₂₄H₂₄N₆O
 Molecular Weight: 412.49
 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	p97-IN-1 is a potent inhibitor of p97 with an IC ₅₀ <30 nM [1].
Targets(IC ₅₀)	p97

Solubility Information

Solubility	DMSO: 83.33 mg/mL (202.02 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2.5 mg/mL (6.06 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4243 mL	12.1215 mL	24.243 mL
5 mM	0.4849 mL	2.4243 mL	4.8486 mL
10 mM	0.2424 mL	1.2122 mL	2.4243 mL
50 mM	0.0485 mL	0.2424 mL	0.4849 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

David Wustrow, et al. FUSED PYRIMIDINES AS INHIBITORS OF p97 COMPLEX. WO2015109285A1.

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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