

Dynammin IN-2

Chemical Properties

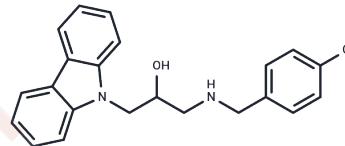
CAS No. : 1345853-49-7

Formula: C₂₂H₂₁ClN₂O

Molecular Weight: 364.87

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	Dynammin IN-2 (compound 43) is a Wiskostatin analogue. Dynammin IN-2 is a potent dynamin inhibitor (dynammin I GTPase, IC ₅₀ = 1.0 μM). Dynammin IN-2 blocks clathrin mediated endocytosis (CME) (IC ₅₀ = 9.5 μM).
Targets(IC ₅₀)	Dynammin

Solubility Information

Solubility	DMSO: 60 mg/mL (164.44 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7407 mL	13.7035 mL	27.407 mL
5 mM	0.5481 mL	2.7407 mL	5.4814 mL
10 mM	0.2741 mL	1.3704 mL	2.7407 mL
50 mM	0.0548 mL	0.2741 mL	0.5481 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

Cossar PJ, et al. Wiskostatin and other carbazole scaffolds as off target inhibitors of dynamin I GTPase activity and endocytosis. Eur J Med Chem. 2022 Dec 15;247:115001.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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