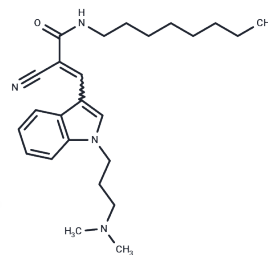


Dynole 34-2

Chemical Properties

CAS No. :	1128165-88-7
Formula:	C ₂₅ H ₃₆ N ₄ O
Molecular Weight:	408.58
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Dynamin I inhibitor
Targets(IC50)	Apoptosis,Dynamin

Solubility Information

Solubility	DMSO: 80 mg/mL (195.8 mM),Sonication is recommended. Ethanol: 10 mg/mL (24.48 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: 3.3 mg/mL (8.08 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	2.4475 mL	12.2375 mL	24.475 mL
5 mM	0.4895 mL	2.4475 mL	4.895 mL
10 mM	0.2448 mL	1.2238 mL	2.4475 mL
50 mM	0.049 mL	0.2448 mL	0.4895 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

Chircop M, et al. Inhibition of Dynamin by Dynole 34-2 Induces Cell Death following Cytokinesis Failure in Cancer Cells. *Mol Cancer Ther.* 2011;10(9):1553-1562.

Tremblay CS, et al. Small molecule inhibition of Dynamin-dependent endocytosis targets multiple niche signals and impairs leukemia stem cells. *Nat Commun.* 2020;11(1):6211.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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