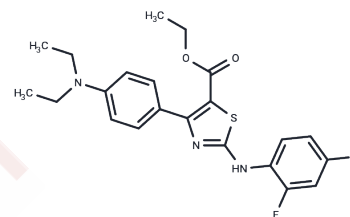


Dynarrestin

Chemical Properties

CAS No. :	2222768-84-3
Formula:	C22H23F2N3O2S
Molecular Weight:	431.5
Storage:	Powder: -20°C for 3 years Actual storage temperature shall be subject to the COA.



Biological Description

Description	Dynarrestin is a cytoplasmic dynein 1 and 2 aminothiazole inhibitor that reversibly inhibits dynein 1-driven microtubule sliding in vitro and intracellular dynein 1 and 2-dependent processes without affecting ATP hydrolysis and interfering with ciliogenesis .
Targets(IC50)	Hedgehog/Smoothened

Solubility Information

Solubility	DMSO: 80 mg/mL (185.4 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	2.3175 mL	11.5875 mL	23.175 mL
5 mM	0.4635 mL	2.3175 mL	4.635 mL
10 mM	0.2317 mL	1.1587 mL	2.3175 mL
50 mM	0.0463 mL	0.2317 mL	0.4635 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

Höing S, et al. Dynarrestin, a Novel Inhibitor of Cytoplasmic Dynein. Cell Chem Biol. 2018 Apr 19;25(4):357-369.e6.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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