

Rbin-2

Chemical Properties

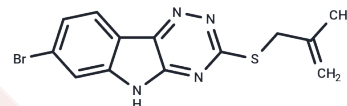
CAS No. : 2032282-97-4

Formula: C₁₃H₁₁BrN₄S

Molecular Weight: 335.22

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	Rbin-2 is a cell-permeable, potent, selective and reversible inhibitor of Midasin (Mdn1). Rbin-2 directly targets the AAA+ ATPase Midasin and inhibits eukaryotic ribosome production, making it a potent probe for the study of eukaryotic ribosome assembly processes.
Targets(IC50)	Phosphatase

Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble), Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9831 mL	14.9156 mL	29.8312 mL
5 mM	0.5966 mL	2.9831 mL	5.9662 mL
10 mM	0.2983 mL	1.4916 mL	2.9831 mL
50 mM	0.0597 mL	0.2983 mL	0.5966 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

Kawashima SA, et al. Potent, Reversible, and Specific Chemical Inhibitors of Eukaryotic Ribosome Biogenesis. Cell. 2016;167(2):512-524.e14.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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