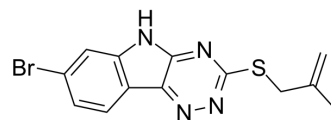


Rbin-2

Cat. No.:	HY-100817		
CAS No.:	2032282-97-4		
Molecular Formula:	C ₁₃ H ₁₁ BrN ₄ S		
Molecular Weight:	335.22		
Target:	Phosphatase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 8.33 mg/mL (24.85 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Rbin-2 is a potent, reversible and selective inhibitor of Midasin (Mdn1), an enzyme belonging to the AAA+ (ATPases associated with diverse cellular activities) protein family. Rbin-2 inhibits eukaryotic ribosome biogenesis and is a powerful probe for the eukaryotic ribosome assembly^[1].

REFERENCES

[1]. Kawashima SA, et al. Potent, Reversible, and Specific Chemical Inhibitors of Eukaryotic Ribosome Biogenesis. Cell. 2016 Oct 6;167(2):512-524.e14.

Caution: Product has not been fully validated for medical applications. For research use only.

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