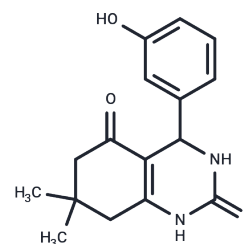


Dimethylenastron

Chemical Properties

CAS No. :	863774-58-7
Formula:	C ₁₆ H ₁₈ N ₂ O ₂ S
Molecular Weight:	302.39
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Dimethylenastron, an Eg5 inhibitor, arrests cells with monopolar spindles to which all chromosomes attach in a syntelic manner.
Targets(IC50)	Kinesin
In vitro	Dimethylenastron (DMN) inhibits the growth of LECs and HUVECs in a dose- and time-dependent manner.

Solubility Information

Solubility	DMSO: 55 mg/mL (181.88 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.307 mL	16.5349 mL	33.0699 mL
5 mM	0.6614 mL	3.307 mL	6.614 mL
10 mM	0.3307 mL	1.6535 mL	3.307 mL
50 mM	0.0661 mL	0.3307 mL	0.6614 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.

Reference

- Aljaberi AM, et al. Cell Cycle. 2015;14(11):1738-47.
Exertier P, et al. Oncotarget. 2013 Dec;4(12):2302-16.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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