

Cryptolepinone

Chemical Properties

CAS No. :	178884-07-6
Formula:	C ₁₆ H ₁₂ N ₂ O
Molecular Weight:	248.279
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	Cryptolepinone is a quinone reductase (Quinone Reductase) activator, with a CD value (the concentration required to double induction activity) of 0.02 µg/mL, found in <i>Sida acuta</i> . In mouse mammary organ culture assays, 10 µg/mL of Cryptolepinone shows an 83.3% inhibition rate of DMBA-induced preneoplastic lesions. Cryptolepinone is applicable for research in the anticancer field.
Targets(IC50)	Reductase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0277 mL	20.1386 mL	40.2771 mL
5 mM	0.8055 mL	4.0277 mL	8.0554 mL
10 mM	0.4028 mL	2.0139 mL	4.0277 mL
50 mM	0.0806 mL	0.4028 mL	0.8055 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.

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