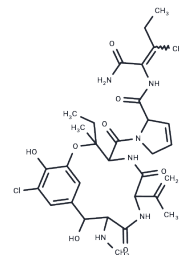


Phomopsinamine

Chemical Properties

CAS No. :	89085-54-1
Formula:	C ₃₂ H ₄₃ ClN ₆ O ₈
Molecular Weight:	675.17
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	Phomopsinamine is an inhibitor of microtubule polymerization and a derivative of phomopsin A. It inhibits the rate and extent of polymerization of tubulin isolated from ovine brain (IC ₅₀ s = 0.53 and 0.59 μM, respectively).
Targets(IC ₅₀)	Others, Microtubule Associated

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4811 mL	7.4055 mL	14.8111 mL
5 mM	0.2962 mL	1.4811 mL	2.9622 mL
10 mM	0.1481 mL	0.7406 mL	1.4811 mL
50 mM	0.0296 mL	0.1481 mL	0.2962 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

Lacey, E., Edgar, J.A., and Culvenor, C.C. Interaction of phomopsin A and related compounds with purified sheep brain tubulin. *Biochem. Pharmacol.* 36(13):2133-2138(1987)

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