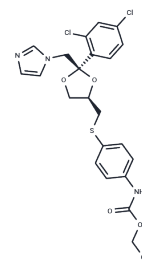


Tubulozole

Chemical Properties

CAS No. :	84697-22-3
Formula:	C ₂₃ H ₂₃ Cl ₂ N ₃ O ₄ S
Molecular Weight:	508.42
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	Tubulozole is a microtubule inhibitor. It inhibits microtubule dynamics required for proper mitotic function, effectively blocking cell cycle progression and resulting in apoptosis.
Targets(IC50)	Others, Microtubule Associated

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9669 mL	9.8344 mL	19.6688 mL
5 mM	0.3934 mL	1.9669 mL	3.9338 mL
10 mM	0.1967 mL	0.9834 mL	1.9669 mL
50 mM	0.0393 mL	0.1967 mL	0.3934 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

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Geuens GM, Nuydens RM, Willebrords RE, Van de Veire RM, Goossens F, Dragonetti CH, Mareel MM, De Brabander MJ. Effects of tubulozole on the microtubule system of cells in culture and in vivo. *Cancer Res*. 1985 Feb;45(2):733-42. PubMed PMID: 3967244.

Fong D. Effect of the anti-microtubule compound tubulozole on Leishmania protozoan parasites in vitro. *FEMS Microbiol Lett*. 1993 Feb 15;107(1):95-9. PubMed PMID: 8468004.

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