

20-O-Demethyl-AP3

Chemical Properties

CAS No. :	72902-38-6
Formula:	C ₃₁ H ₄₁ ClN ₂ O ₉
Molecular Weight:	621.12
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	20-O-Demethyl-AP3 is a secondary metabolite derived from Ansamitocin P-3. Ansamitocin P-3 is a macrocyclic antitumor antibiotic that exerts biological activity through inhibition of microtubule function. 20-O-Demethyl-AP3 is relevant for natural product chemistry, microtubule-associated signaling, and antimetabolic mechanism investigations.
Targets(IC50)	Microtubule Associated

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.610 mL	8.050 mL	16.0999 mL
5 mM	0.322 mL	1.610 mL	3.220 mL
10 mM	0.161 mL	0.805 mL	1.610 mL
50 mM	0.0322 mL	0.161 mL	0.322 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

Zhongfa Liu, et al. Metabolism studies of the anti-tumor agent maytansine and its analog ansamitocin P-3 using liquid chromatography/tandem mass spectrometry. J Mass Spectrom. 2005 Mar;40(3):389-99.

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