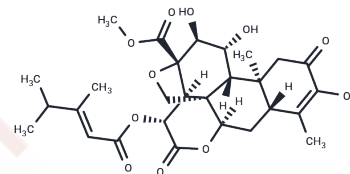


Bruceantin

Chemical Properties

CAS No. :	41451-75-6
Formula:	C ₂₈ H ₃₆ O ₁₁
Molecular Weight:	548.58
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	Bruceantin (NSC-165563) is a natural product isolated from Brucea antidysenterica. Bruceantin has antitumor activity against B16 melanoma, colon 38, and L1210 and P388 leukemia in mice.
Targets(IC50)	Apoptosis,Others,Caspase,Mitochondrial Metabolism,Parasite,c-Myc
In vivo	Bruceantin induced regression in early as well as advanced tumors, and these significant antitumor responses were facilitated in the absence of overt toxicity.

Solubility Information

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

	1mg	5mg	10mg
1 mM	1.8229 mL	9.1144 mL	18.2289 mL
5 mM	0.3646 mL	1.8229 mL	3.6458 mL
10 mM	0.1823 mL	0.9114 mL	1.8229 mL
50 mM	0.0365 mL	0.1823 mL	0.3646 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

Cuendet M, et al. Antitumor activity of bruceantin: an old drug with new promise. J Nat Prod. 2004 Feb;67(2):269-72.

Cuendet M, et al. Multiple myeloma regression mediated by bruceantin. Clin Cancer Res. 2004 Feb 1;10(3):1170-9.

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