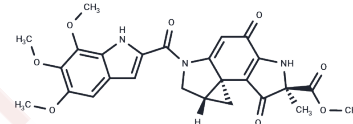


Duocarmycin A

Chemical Properties

CAS No. :	118292-34-5
Formula:	C ₂₆ H ₂₅ N ₃ O ₈
Molecular Weight:	507.49
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	Duocarmycin A, an antitumor antibiotic, is a DNA alkylator and efficiently alkylates adenine N3 at the 3' end of AT-rich sequences in the DNA. Duocarmycin A, as a chemotherapeutic agent, results in HLC-2 cells typically apoptotic changes.
Targets(IC50)	Apoptosis,Caspase,ADC Cytotoxin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9705 mL	9.8524 mL	19.7048 mL
5 mM	0.3941 mL	1.9705 mL	3.941 mL
10 mM	0.197 mL	0.9852 mL	1.9705 mL
50 mM	0.0394 mL	0.197 mL	0.3941 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

Hirota M, et al. Distamycin A enhances the cytotoxicity of duocarmycin A and suppresses duocarmycin A-induced apoptosis in human lung carcinoma cells. *Int J Biochem Cell Biol.* 2007;39(5):988-96.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481