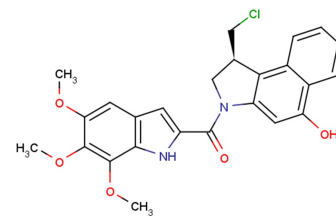


Duocarmycin TM

Chemical Properties

CAS No.:	157922-77-5
Formula:	C ₂₅ H ₂₃ ClN ₂ O ₅
Molecular Weight:	466.91
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	Duocarmycin TM is a DNA alkylator. Duocarmycin TM is an exceptionally potent antitumor antibiotic.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	DMSO: 50 mg/mL (107.09 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.142 mL	10.709 mL	21.417 mL
5 mM	0.428 mL	2.142 mL	4.283 mL
10 mM	0.214 mL	1.071 mL	2.142 mL
50 mM	0.043 mL	0.214 mL	0.428 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Dale L. Boger, et al. Critical Role of the Linking Amide in CC-1065 and the Duocarmycins: Implications on the Source of DNA Alkylation Catalysis. J. Am. Chem. Soc. 1998, 120, 11554-11557.

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481