

Seco-Duocarmycin TM

Chemical Properties

CAS No.:	236102-87-7
Formula:	C ₂₅ H ₂₄ N ₂ O ₆
Molecular Weight:	448.47
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Seco-Duocarmycin TM is an agent of DNA alkylator belonging to Duocarmycins family that inhibits DNA synthesis. It used as the cytotoxic component in antibody-drug conjugates (ADC).
Targets(IC ₅₀)	Duocarmycins: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.23 mL	11.149 mL	22.298 mL
5 mM	0.446 mL	2.23 mL	4.46 mL
10 mM	0.223 mL	1.115 mL	2.23 mL
50 mM	0.045 mL	0.223 mL	0.446 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. Gieseg MA, et al. Comparison of the patterns of DNA alkylation by phenol and amino seco-CBI-TMI compounds: use of a PCR method for the facile preparation of single end-labelled double-stranded DNA. Anticancer Drug Des. 1999 Feb;14(1):77-84.

Inhibitors · Natural Compounds · Compound Libraries

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