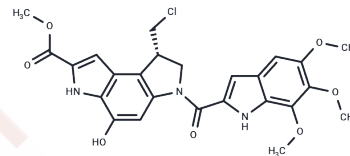


## (S)-Seco-Duocarmycin SA

## Chemical Properties

CAS No. :	152785-82-5
Formula:	C <sub>25</sub> H <sub>24</sub> ClN <sub>3</sub> O <sub>7</sub>
Molecular Weight:	513.93
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	(S)-Seco-Duocarmycin SA is a DNA alkylating agent and antibiotic with potent antitumor activity that can be used to synthesize ADC compounds.
Targets(IC50)	Apoptosis, Antibiotic, ADC Cytotoxin, DNA Alkylator/Crosslinker

## Solubility Information

Solubility	DMSO: 80 mg/mL (155.66 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9458 mL	9.729 mL	19.4579 mL
5 mM	0.3892 mL	1.9458 mL	3.8916 mL
10 mM	0.1946 mL	0.9729 mL	1.9458 mL
50 mM	0.0389 mL	0.1946 mL	0.3892 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

Moana T, et al. Synthesis and Cytotoxicity of Amino-seco-DSA: An Amino Analogue of the DNA Alkylating Agent Duocarmycin SA. The Journal of Organic Chemistry 1999 64 (16), 5946-5953.

Tichenor MS, et al. Systematic exploration of the structural features of yatakemycin impacting DNA alkylation and biological activity. J Am Chem Soc. 2007 Sep 5;129(35):10858-69.

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