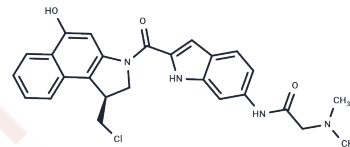


Duocarmycin GA

Chemical Properties

CAS No. :	1613286-59-1
Formula:	C ₂₆ H ₂₅ ClN ₄ O ₃
Molecular Weight:	476.96
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 GA, an antibody drug conjugate (ADC) toxin and a DNA alkylating agent, effectively targets and binds in the minor groove of DNA. It is particularly potent against multi-drug resistant cell lines, offering a strategic approach in combating resistance.
Targets(IC50)	ADC Cytotoxin, DNA Alkylator/Crosslinker

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0966 mL	10.4831 mL	20.9661 mL
5 mM	0.4193 mL	2.0966 mL	4.1932 mL
10 mM	0.2097 mL	1.0483 mL	2.0966 mL
50 mM	0.0419 mL	0.2097 mL	0.4193 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

Searcey M. Duocarmycins--natures prodrugs? Curr Pharm Des. 2002;8(15):1375-89.

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