

Duocarmycin DM

Chemical Properties

CAS No. :

Formula: C₂₈H₂₇ClF₃N₃O₅

Molecular Weight: 577.98

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 DM, a toxin for antibody-drug conjugates (ADCs), functions as a DNA minor-groove alkylator. It exerts its anticancer activity through a distinct curved indole structure combined with a spirocyclopropylcyclohexadienone electrophile [1] [2].
Targets(IC50)	ADC Cytotoxin,DNA Alkylator/Crosslinker

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7302 mL	8.6508 mL	17.3016 mL
5 mM	0.346 mL	1.7302 mL	3.4603 mL
10 mM	0.173 mL	0.8651 mL	1.7302 mL
50 mM	0.0346 mL	0.173 mL	0.346 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.

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