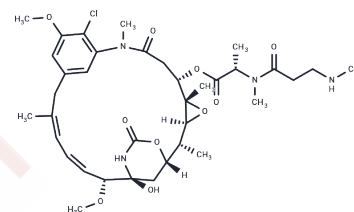


Maytansinoid B

Chemical Properties

CAS No. :	1628543-40-7
Formula:	C ₃₆ H ₅₁ ClN ₄ O ₁₀
Molecular Weight:	735.26
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	Maytansinoid B, an ADC cytotoxin, conjugates with antibodies to create antibody-drug conjugates (ADCs). This antimetabolic agent binds to tubulin, inhibiting microtubule assembly, and induces G2/M arrest in the cell cycle, leading to apoptosis [1] [2].
Targets(IC50)	ADC Cytotoxin
In vitro	Maytansinoid displays cytotoxic activity in the range of 10-90 pM against several tumor cell lines, including lymphoma [1]. When conjugated with an anti-CD9 antibody, it forms SAR3419, which targets B-cell malignancies [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3601 mL	6.8003 mL	13.6006 mL
5 mM	0.272 mL	1.3601 mL	2.7201 mL
10 mM	0.136 mL	0.680 mL	1.3601 mL
50 mM	0.0272 mL	0.136 mL	0.272 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481