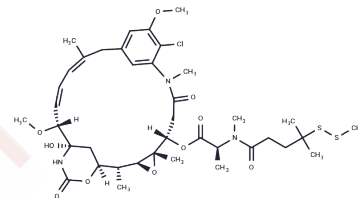


DM4-SMe

Chemical Properties

CAS No. : 796073-68-2
 Formula: C₃₉H₅₆ClN₃O₁₀S₂
 Molecular Weight: 826.46
 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	DM4-SMe is a cytotoxic part of antibody-drug conjugates (ADCs) and a metabolite of antibody-maytansin conjugates (AMCs) and tubulin inhibitors, which can also be stabilized by disulfide bonds or thioether. The bond binds to the antibody. The IC ₅₀ of DM4-SMe on KB cells was 0.026 nM.
Targets(IC ₅₀)	Microtubule Associated, ADC Cytotoxin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.210 mL	6.0499 mL	12.0998 mL
5 mM	0.242 mL	1.210 mL	2.420 mL
10 mM	0.121 mL	0.605 mL	1.210 mL
50 mM	0.0242 mL	0.121 mL	0.242 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

- Widdison W, et al. Metabolites of antibody-maytansinoid conjugates: characteristics and in vitro potencies. Mol Pharm. 2015 Jun 1;12(6):1762-73.
 Chen H, et al. Tubulin Inhibitor-Based Antibody-Drug Conjugates for Cancer Therapy. Molecules. 2017 Aug 1;22(8).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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