

DM3-SMe

Chemical Properties

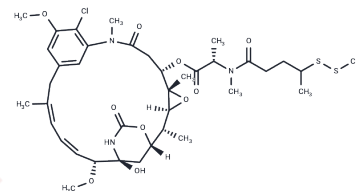
CAS No. : 796073-70-6

Formula: C₃₈H₅₄ClN₃O₁₀S₂

Molecular Weight: 812.43

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	DM3-SMe is a maytansine derivative and tubulin inhibitor. It is a cytotoxic part of antibody-drug conjugates (ADCs) and can bind to antibodies via disulfide bonds or stable thioether bonds. DM3-SMe has high cytotoxic activity in vitro with IC ₅₀ of 0.0011 nM.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2309 mL	6.1544 mL	12.3088 mL
5 mM	0.2462 mL	1.2309 mL	2.4618 mL
10 mM	0.1231 mL	0.6154 mL	1.2309 mL
50 mM	0.0246 mL	0.1231 mL	0.2462 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.

Reference

Chen H, et al. Tubulin Inhibitor-Based Antibody-Drug Conjugates for Cancer Therapy. *Molecules*. 2017 Aug 1;22(8).
 Yuliang Zhao et al. *Biomedical Nanomaterials*. 2016-Science.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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