

# DM4

**Catalog No: tcsc6866**



## Available Sizes

**Size:** 1mg

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



## Specifications

**CAS No:**

796073-69-3

**Formula:**

$C_{38}H_{54}ClN_3O_{10}S$

**Pathway:**

Cell Cycle/DNA Damage;Cytoskeleton

**Target:**

Microtubule/Tubulin;Microtubule/Tubulin

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

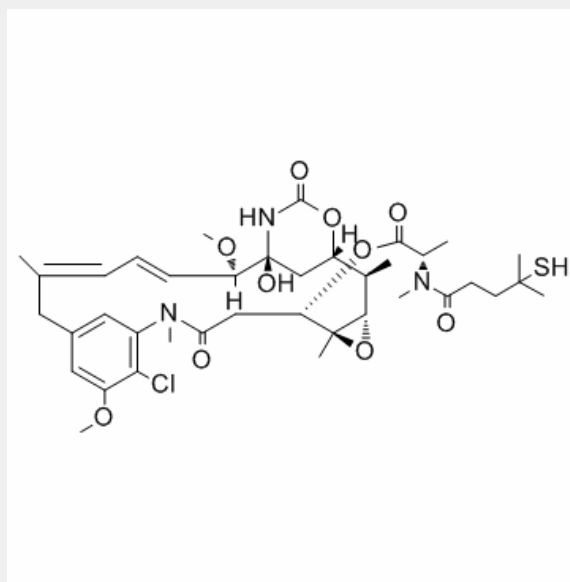
**Observed Molecular Weight:**

780.37

## Product Description

DM4 is an **antitubulin** agent that inhibit cell division. DM4 can be used in the preparation of antibody drug conjugate.

***In Vitro:*** DM4, a structural analogue of maytansine, is a new thiol-containing and potent maytansinoid. DM4 is a cytotoxic maytansinoid drug. It is synthesized in order to link maytansinoids to antibodies via disulfide bonds. Maytansinoids inhibit tubulin polymerization and microtubule assembly and enhance microtubule destabilization, so there is potent suppression of microtubule dynamics resulting in a mitotic block and subsequent apoptotic cell death<sup>[1]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!