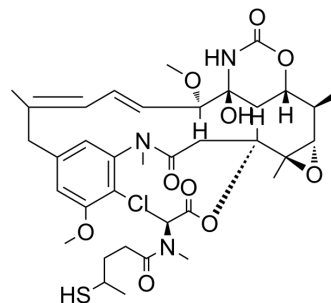


## DM3

<b>Cat. No.:</b>	HY-130080		
<b>CAS No.:</b>	796073-54-6		
<b>Molecular Formula:</b>	C <sub>37</sub> H <sub>52</sub> ClN <sub>3</sub> O <sub>10</sub> S		
<b>Molecular Weight:</b>	766.34		
<b>Target:</b>	ADC Cytotoxin; Microtubule/Tubulin		
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related; Cell Cycle/DNA Damage; Cytoskeleton		
<b>Storage:</b>	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



## SOLVENT & SOLUBILITY

### In Vitro

DMSO : 100 mg/mL (130.49 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.3049 mL	6.5245 mL	13.0490 mL
5 mM	0.2610 mL	1.3049 mL	2.6098 mL
10 mM	0.1305 mL	0.6525 mL	1.3049 mL

Please refer to the solubility information to select the appropriate solvent.

## BIOLOGICAL ACTIVITY

### Description

DM3 (Maytansinoid DM3) is a maytansine analog bearing disulfide or thiol groups and a tubulin inhibitor, and is a cytotoxic moiety of antibody-drug conjugates (ADCs)<sup>[1]</sup>.

### IC<sub>50</sub> & Target

Maytansinoids

## REFERENCES

[1]. Chen H, et al. Tubulin Inhibitor-Based Antibody-Drug Conjugates for Cancer Therapy. *Molecules*. 2017 Aug 1;22(8).

**Caution: Product has not been fully validated for medical applications. For research use only.**

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