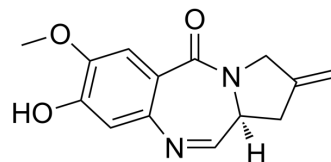


Tomaymycin DM

Cat. No.:	HY-102001
CAS No.:	945490-09-5
Molecular Formula:	C ₁₄ H ₁₄ N ₂ O ₃
Molecular Weight:	258.27
Target:	ADC Cytotoxin
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (387.19 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.8719 mL	19.3596 mL	38.7192 mL
	5 mM	0.7744 mL	3.8719 mL	7.7438 mL
	10 mM	0.3872 mL	1.9360 mL	3.8719 mL

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

BIOLOGICAL ACTIVITY

Description

Tomaymycin DM, a DNA alkylator, is a derivative of Tomaymycin, it is a PBD dimer, which is attached to tumor targeting antibodies to create antibody-drug conjugates (ADCs).

IC₅₀ & Target

Pyrrolobenzodiazepines

REFERENCES

[1]. Dr. Julia Mantaj, et al. From Anthramycin to Pyrrolobenzodiazepine (PBD)-Containing Antibody-Drug Conjugates (ADCs). *Angew Chem Int Ed Engl.* 2017 Jan 9; 56(2): 462-488.

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

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