



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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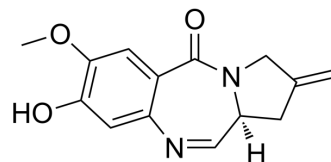
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## Tomaymycin DM

<b>Cat. No.:</b>	HY-102001
<b>CAS No.:</b>	945490-09-5
<b>Molecular Formula:</b>	C <sub>14</sub> H <sub>14</sub> N <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	258.27
<b>Target:</b>	ADC Cytotoxin
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related
<b>Storage:</b>	-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)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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).

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

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

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