



# 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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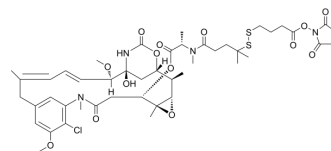
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## SPDB-DM4

Cat. No.:	HY-12460
CAS No.:	1626359-62-3
Molecular Formula:	C <sub>46</sub> H <sub>63</sub> ClN <sub>4</sub> O <sub>14</sub> S <sub>2</sub>
Molecular Weight:	995.59
Target:	Drug-Linker Conjugates for ADC
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	-80°C, protect from light, stored under nitrogen



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 300 mg/mL (301.33 mM)

\* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.0044 mL	5.0221 mL	10.0443 mL
	5 mM	0.2009 mL	1.0044 mL	2.0089 mL
	10 mM	0.1004 mL	0.5022 mL	1.0044 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (2.51 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (2.51 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (2.51 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

SPDB-DM4 is a agent-linker conjugate for ADC by using the maytansinebased payload (DM4, a tubulin inhibitor) via a SPDB linker, exhibiting potent anti-tumor activity.

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

Maytansinoids

### REFERENCES

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

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