



# 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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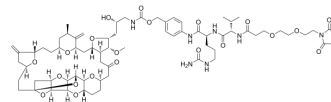
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## Mal-PEG2-VCP-Eribulin

<b>Cat. No.:</b>	HY-128870
<b>CAS No.:</b>	2130869-18-8
<b>Molecular Formula:</b>	C <sub>70</sub> H <sub>99</sub> N <sub>7</sub> O <sub>21</sub>
<b>Molecular Weight:</b>	1374.57
<b>Target:</b>	Drug-Linker Conjugates for ADC
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related
<b>Storage:</b>	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 10 mg/mL (7.28 mM)  
\* "≥" means soluble, but saturation unknown.

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.7275 mL	3.6375 mL	7.2750 mL
	5 mM	0.1455 mL	0.7275 mL	1.4550 mL
	10 mM	---	---	---

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

### BIOLOGICAL ACTIVITY

#### Description

Mal-PEG2-VCP-Eribulin consists the ADCs linker (Mal-PEG2-VCP) and Eribulin (HY-13442). Eribulin is a mechanistically unique microtubule inhibitor and Eribulin inhibits the proliferation of cancer cells by binding microtubule proteins and microtubules. Mal-PEG2-VCP-Eribulin is an Eribulin-based agent for antibody conjugates<sup>[1][2][3]</sup>.

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

Traditional Cytotoxic Agents

### REFERENCES

- [1]. Watanabe K, et al. Low-dose eribulin reduces lung metastasis of osteosarcoma in vitro and in vivo. *Oncotarget*. 2019 Jan 4;10(2):161-174.
- [2]. Earl F Albone, et al. Eribulin-based antibody-drug conjugates and methods of use. US20170252458A1.
- [3]. Towle MJ, et al. Eribulin induces irreversible mitotic blockade: implications of cell-based pharmacodynamics for in vivo efficacy under intermittent dosing conditions. *Cancer Res*. 2011 Jan 15;71(2):496-505.

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

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