



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

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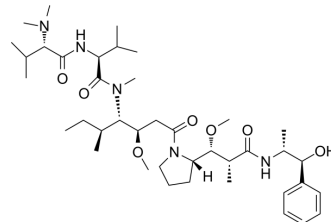
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Auristatin E

Cat. No.:	HY-15582
CAS No.:	160800-57-7
Molecular Formula:	C ₄₀ H ₆₉ N ₅ O ₇
Molecular Weight:	732.01
Target:	Microtubule/Tubulin; ADC Cytotoxin
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton; Antibody-drug Conjugate/ADC Related
Storage:	Powder -20°C 3 years 4°C 2 years



* The compound is unstable in solutions, freshly prepared is recommended.

SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (136.61 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.3661 mL	6.8305 mL	13.6610 mL
5 mM	0.2732 mL	1.3661 mL	2.7322 mL
10 mM	0.1366 mL	0.6831 mL	1.3661 mL

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

BIOLOGICAL ACTIVITY

Description

Auristatin E is a cytotoxic tubulin modifier with potent and selective antitumor activity; MMAE analog and cytotoxin in antibody-drug conjugates. Auristatin E inhibits cell division by blocking the polymerisation of tubulin.

IC₅₀ & Target

Auristatin

REFERENCES

- [1]. Machulkin AE, et al. Synthesis, Characterization, and Preclinical Evaluation of a Small-Molecule Prostate-Specific Membrane Antigen-Targeted Monomethyl Auristatin E Conjugate. *J Med Chem.* 2021 Dec 9;64(23):17123-17145
- [2]. Francisco JA, et al. cAC10-vcMMAE, an anti-CD30-monomethyl auristatin E conjugate with potent and selective antitumor activity. *Blood.* 2003 Aug 15;102(4):1458-65.
- [3]. Li D, et al. DCDT2980S, an anti-CD22-monomethyl auristatin E antibody-drug conjugate, is a potential treatment for non-Hodgkin lymphoma. *Mol Cancer Ther.* 2013 Jul;12(7):1255-65.

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

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