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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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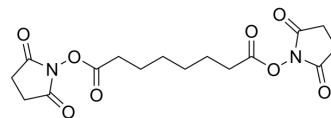
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DSS Crosslinker

Cat. No.:	HY-W019543		
CAS No.:	68528-80-3		
Molecular Formula:	C ₁₆ H ₂₀ N ₂ O ₈		
Molecular Weight:	368.34		
Target:	ADC Linker		
Pathway:	Antibody-drug Conjugate/ADC Related		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (678.72 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7149 mL	13.5744 mL	27.1488 mL
	5 mM	0.5430 mL	2.7149 mL	5.4298 mL
	10 mM	0.2715 mL	1.3574 mL	2.7149 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: ≥ 2.08 mg/mL (5.65 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (5.65 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (5.65 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

DSS Crosslinker is a non-cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs)^[1].

IC₅₀ & Target

Non-cleavable Linker

In Vitro

ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Nat Commun. 2023 Apr 24;14(1):2342.
- SSRN. 2023 Nov 8.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017 May;16(5):315-337.

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

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