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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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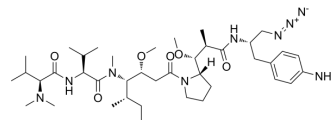
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Duostatin 5

Cat. No.:	HY-145149
CAS No.:	2124210-34-8
Molecular Formula:	C ₄₀ H ₆₉ N ₉ O ₆
Molecular Weight:	772.03
Target:	ADC Cytotoxin
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	-20°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 : 125 mg/mL (161.91 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		1.2953 mL	6.4764 mL	12.9529 mL
		5 mM		0.2591 mL	1.2953 mL	2.5906 mL
		10 mM		0.1295 mL	0.6476 mL	1.2953 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (2.69 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (2.69 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Duostatin 5 is a cytotoxin designed based on dolastatin, can meet the requirement of serving as an effective cytotoxin in ADC, but has the advantages of fewer synthesis steps, easy operation, less difficulty in quality control and more stable chemical synthesis process^[1]. Duostatin 5 is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. It can also undergo strain-promoted alkyne-azide cycloaddition (SPAAC) reactions with molecules containing DBCO or BCN groups.
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REFERENCES

[1]. Toxin for antibody drug conjugate and preparation method thereof. CN107857798B.

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

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