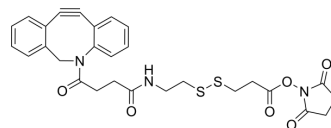


## DBCO-CONH-S-S-NHS ester

<b>Cat. No.:</b>	HY-133413
<b>CAS No.:</b>	1435934-53-4
<b>Molecular Formula:</b>	C <sub>28</sub> H <sub>27</sub> N <sub>3</sub> O <sub>6</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	565.66
<b>Target:</b>	ADC Linker
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related
<b>Storage:</b>	-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 : 100 mg/mL (176.78 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.7678 mL	8.8392 mL	17.6785 mL
5 mM	0.3536 mL	1.7678 mL	3.5357 mL
10 mM	0.1768 mL	0.8839 mL	1.7678 mL

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

### BIOLOGICAL ACTIVITY

<b>Description</b>	DBCO-CONH-S-S-NHS ester is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs) <sup>[1]</sup> . DBCO-CONH-S-S-NHS ester is a click chemistry reagent, it contains a DBCO group that can undergo strain-promoted alkyne-azide cycloaddition (SPAAC) with molecules containing Azide groups.	
<b>IC<sub>50</sub> &amp; Target</b>	Disulfide Cleavable Linker	Cleavable Linker
<b>In Vitro</b>	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

### 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.

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

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