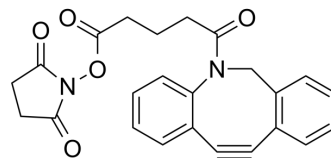


## DBCO-NHS ester 3

Cat. No.:	HY-115545
CAS No.:	1393350-27-0
Molecular Formula:	C <sub>24</sub> H <sub>20</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	416.43
Target:	ADC Linker
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

Description	DBCO-NHS ester 3 (Compound 12) is a cleavable linker that is used for making antibody-drug conjugate (ADC). DBCO-NHS ester 3 is a derivative of Dibenzylcyclooctyne (DBCO) obtained by activation of N-hydroxysuccinimide by the carboxylic acid moiety of both methyl-oxanorbornadiene (MeOND) and dibenzoazacyclooctyne (DIBAC) <sup>[1][2]</sup> . DBCO-NHS ester 3 is a click chemistry reagent, it contains a DBCO group that can undergo strain-promoted alkyne-azide cycloaddition (SPAAC) with molecules containing Azide groups.
IC <sub>50</sub> & Target	Cleavable Linker

## REFERENCES

- [1]. Silvie A. Meeuwissen, et al. Copper-free click chemistry on polymersomes: pre- vs. post-self-assembly functionalization. *Polymer Chemistry*. 2012, 3: 1783-1795.
- [2]. Tang F, et al. Chemoenzymatic synthesis of glycoengineered IgG antibodies and glycosite-specific antibody-drug conjugates. *Nat Protoc*. 2017 Aug;12(8):1702-1721.

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

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