N3-C2-NHS ester

Cat. No.: HY-126520

CAS No.: 850180-76-6

Molecular Formula: $C_7H_8N_4O_4$

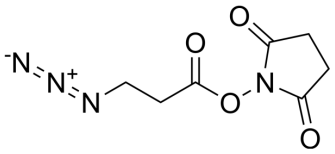
Molecular Weight: 212.16

Target: ADC Linker

Pathway: Antibody-drug Conjugate/ADC Related

Storage:

Pure form	-20°C	3 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (471.34 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	4.7134 mL	23.5671 mL	47.1342 mL
	5 mM	0.9427 mL	4.7134 mL	9.4268 mL
	10 mM	0.4713 mL	2.3567 mL	4.7134 mL

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

BIOLOGICAL ACTIVITY

Description

N3-C2-NHS ester is a noncleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). N3-C2-NHS ester 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. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.

IC_{50} & Target

Non-cleavable Linker

REFERENCES

[1]. Gregson SJ, et al. Pyrrolobenzodiazepine Dimer Antibody-Drug Conjugates: Synthesis and Evaluation of Noncleavable Drug-Linkers. J Med Chem. 2017 Dec 14;60(23):9490-9507.

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

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