DBCO-PEG3-oxyamine

Cat. No.: HY-133429

CAS No.: 2748394-67-2

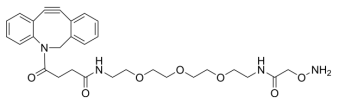
Molecular Formula: $C_{29}H_{36}N_4O_7$

Molecular Weight: 552.62

Target: ADC Linker

Pathway: Antibody-drug Conjugate/ADC Related

Storage: 4°C, protect from light
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (180.96 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.8096 mL	9.0478 mL	18.0956 mL
	5 mM	0.3619 mL	1.8096 mL	3.6191 mL
	10 mM	0.1810 mL	0.9048 mL	1.8096 mL

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

BIOLOGICAL ACTIVITY

Description

DBCO-PEG3-oxyamine is a non-cleavable 3 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[1]. DBCO-PEG3-oxyamine 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_{50} & 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.

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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