DBCO-PEG4-acetic-Val-Cit-PAB

Cat. No.: HY-136098

Molecular Formula: $C_{45}H_{57}N_7O_{10}$

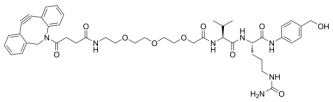
Molecular Weight: 855.97

Target: ADC Linker

Pathway: Antibody-drug Conjugate/ADC Related

Storage:

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



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (116.83 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.1683 mL	5.8413 mL	11.6827 mL
	5 mM	0.2337 mL	1.1683 mL	2.3365 mL
	10 mM	0.1168 mL	0.5841 mL	1.1683 mL

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

BIOLOGICAL ACTIVITY

Description

DBCO-PEG4-acetic-Val-Cit-PAB is a cleavable 4 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[1]. DBCO-PEG4-acetic-Val-Cit-PAB 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		
	Protease Cleavable Linker	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.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA