Azide-PEG4-VC-PAB-Doxorubicin

Cat. No.: HY-136288

Molecular Formula: $C_{57}H_{75}N_9O_{21}$

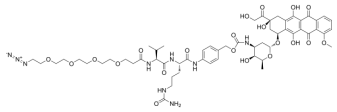
Molecular Weight: 1222.25

Target: Drug-Linker Conjugates for ADC

Pathway: Antibody-drug Conjugate/ADC Related

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (81.82 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	0.8182 mL	4.0908 mL	8.1816 mL
5 mM	0.1636 mL	0.8182 mL	1.6363 mL
10 mM	0.0818 mL	0.4091 mL	0.8182 mL

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

BIOLOGICAL ACTIVITY

Description

Azide-PEG4-VC-PAB-Doxorubicin is a agent-linker conjugate composed of a cytotoxic anthracycline antibiotic Doxorubicin and a linker Azide-PEG4-VC-PAB to make antibody agent conjugate (ADC)[1]. Azide-PEG4-VC-PAB-Doxorubicin 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

Daunorubicins/Doxorubicins

REFERENCES

[1]. Hayward R, et al. Doxorubicin cardiotoxicity in the rat: an in vivo characterization. J Am Assoc Lab Anim Sci. 2007 Jul;46(4):20-32.

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

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