Gly-Gly-Gly-PEG4-DBCO

Cat. No.: HY-140309

CAS No.: 2353409-80-8

Molecular Formula: $C_{35}H_{46}N_6O_9$

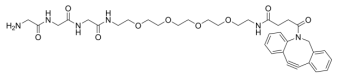
Molecular Weight: 694.77

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 (143.93 mM; Need ultrasonic)

Methanol : 50 mg/mL (71.97 mM; Need ultrasonic)

Preparing Stock Solutions

Mass / Solvent / Concentration	1 mg	5 mg	10 mg
1 mM	1.4393 mL	7.1966 mL	14.3933 mL
5 mM	0.2879 mL	1.4393 mL	2.8787 mL
10 mM	0.1439 mL	0.7197 mL	1.4393 mL

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

BIOLOGICAL ACTIVITY

Description

Gly-Gly-Gly-PEG4-DBCO is a cleavable 4 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[1]. Gly-Gly-Gly-PEG4-DBCO 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

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