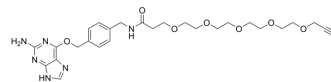


## Alkyne-PEG5-SNAP

Cat. No.:	HY-151646		
Molecular Formula:	C <sub>27</sub> H <sub>36</sub> N <sub>6</sub> O <sub>7</sub>		
Molecular Weight:	556.61		
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 : 125 mg/mL (224.57 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	1.7966 mL	8.9830 mL	17.9659 mL	
5 mM	0.3593 mL	1.7966 mL	3.5932 mL	
10 mM	0.1797 mL	0.8983 mL	1.7966 mL	

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

### BIOLOGICAL ACTIVITY

#### Description

Alkyne-PEG5-SNAP is a click chemistry reagent containing an alkyne group. Alkyne-PEG5-SNAP can alkyne conjugated benzylguanaine (BG), the BG moiety reacts specifically and rapidly with SNAP-tag, a polypeptide protein tag, allowing irreversible and covalent labeling of SNAP fusion proteins with an additional alkyne functionality suitable for further conjugation<sup>[1]</sup>. Alkyne-PEG5-SNAP is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

### REFERENCES

[1]. Trauner D, et, al. Covalently attached azobenzene switches and their uses for the optical control of target proteins. EP3146981.

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

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