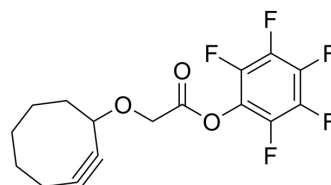


Cyclooctyne-O-PFP ester

Cat. No.:	HY-126518		
CAS No.:	886209-60-5		
Molecular Formula:	C ₁₆ H ₁₃ F ₅ O ₃		
Molecular Weight:	348.26		
Target:	ADC Linker		
Pathway:	Antibody-drug Conjugate/ADC Related		
Storage:	Pure form	-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 (287.14 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8714 mL	14.3571 mL	28.7142 mL
	5 mM	0.5743 mL	2.8714 mL	5.7428 mL
	10 mM	0.2871 mL	1.4357 mL	2.8714 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (7.18 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (7.18 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (7.18 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Cyclooctyne-O-PFP ester is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs)^[1]. Cyclooctyne-O-PFP ester is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

IC₅₀ & Target

Cleavable Linker

In Vitro

ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Sun, Ying, et al. Anti-PSMA Antibodies Conjugated to Nuclear Receptor Ligand Polypeptides. 20150152187A1.

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

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