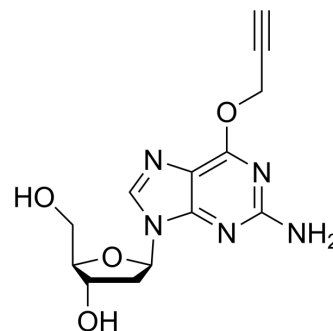


6-O-Propynyl-2'-deoxyguanosine

Cat. No.:	HY-151688		
CAS No.:	1640051-47-3		
Molecular Formula:	C ₁₃ H ₁₅ N ₅ O ₄		
Molecular Weight:	305.29		
Target:	ADC Linker		
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 (327.56 mM; Need ultrasonic)

Concentration	Solvent	Mass	Preparing Stock Solutions		
			1 mg	5 mg	10 mg
1 mM			3.2756 mL	16.3779 mL	32.7557 mL
5 mM			0.6551 mL	3.2756 mL	6.5511 mL
10 mM			0.3276 mL	1.6378 mL	3.2756 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 (8.19 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (8.19 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (8.19 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

6-O-Propynyl-2'-deoxyguanosine is a click chemistry reagent containing an alkyne group. 6-O-Propynyl-2'-deoxyguanosine can be used for the research of various biochemical^[1].

REFERENCES

[1]. Flore De Wit, et al. Design of reverse transcriptase-specific nucleosides to visualize early steps of HIV-1 replication by click labeling. J Biol Chem. 2019 Aug 2;294(31):11863-11875.

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