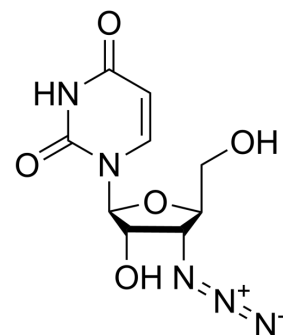


3'-Azido-3'-deoxy-beta-L-uridine

Cat. No.:	HY-111642		
CAS No.:	2095417-28-8		
Molecular Formula:	C ₉ H ₁₁ N ₅ O ₅		
Molecular Weight:	269.21		
Target:	Nucleoside Antimetabolite/Analog		
Pathway:	Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (464.32 mM; Need ultrasonic)

Concentration	Solvent	Mass	Preparing Stock Solutions		
			1 mg	5 mg	10 mg
1 mM			3.7146 mL	18.5729 mL	37.1457 mL
5 mM			0.7429 mL	3.7146 mL	7.4291 mL
10 mM			0.3715 mL	1.8573 mL	3.7146 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: ≥ 2.08 mg/mL (7.73 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (7.73 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (7.73 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

3'-Azido-3'-deoxy-beta-L-uridine (Compound 25) is a nucleoside derivative. 3'-Azido-3'-deoxy-beta-L-uridine 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.

REFERENCES

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

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