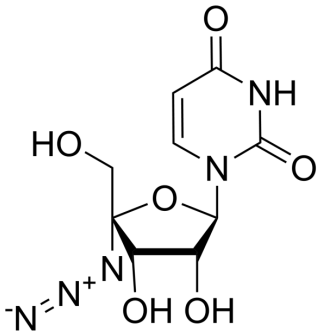
4'-C-Azidouridine

Cat. No.:	HY-77650
CAS No.:	139442-01-6
Molecular Formula:	$C_9H_{11}N_5O_6$
Molecular Weight:	285.21
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 : 100 mg/mL (350.62 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	3.5062 mL	17.5309 mL	35.0619 mL
5 mM	0.7012 mL	3.5062 mL	7.0124 mL
10 mM	0.3506 mL	1.7531 mL	3.5062 mL

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

BIOLOGICAL ACTIVITY

Description

4'-C-azidouridine (4'-Azidouridine) is a uridine analogue. Uridine has potential antiepileptic effects, and its analogs can be used to study anticonvulsant and anxiolytic activities, as well as to develop new antihypertensive agents[1]. 4'-C-Azidouridine 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

[1]. Connolly GP, et al. Uridine and its nucleotides: biological actions, therapeutic potentials. Trends Pharmacol Sci. 1999 May;20(5):218-25.

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

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