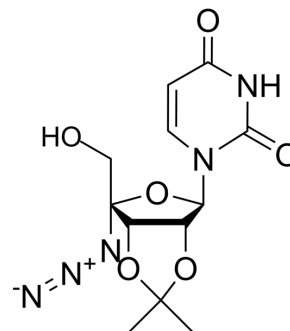


2',3'-Di-O-isopropylidene-4'-alpha-C-azidouridine

Cat. No.:	HY-154590
CAS No.:	690271-27-3
Molecular Formula:	C ₁₂ H ₁₅ N ₅ O ₆
Molecular Weight:	325.28
Target:	Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

2',3'-Di-O-isopropylidene-4'-alpha-C-azidouridine is a uridine analog. 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]. 2',3'-Di-O-isopropylidene-4'-alpha-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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