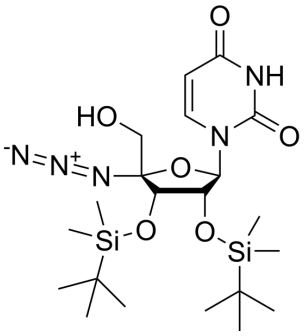
4’-alpha-C-Azido-2’,3’-bis(O-t-butyldimethylsilyl)uridine

Cat. No.:	HY-154357
Molecular Formula:	$C_{21}H_{39}N_5O_6Si_2$
Molecular Weight:	513.74
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	4’-alpha-C-Azido-2’,3’-bis(O-t-butyldimethylsilyl)uridine 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]. 4’-alpha-C-Azido-2’,3’-bis(O-t-butyldimethylsilyl)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

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

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