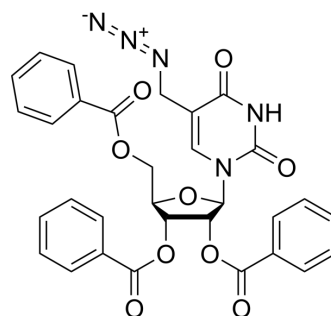


5-Azidomethyl-2',3',5'-tri-O-benzoyl uridine

| | |
|--------------------|---|
| Cat. No.: | HY-154461 |
| CAS No.: | 1884334-72-8 |
| Molecular Formula: | C ₃₁ H ₂₅ N ₅ O ₉ |
| Molecular Weight: | 611.56 |
| 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

5-Azidomethyl-2',3',5'-tri-O-benzoyl uridine is a thymidine analog. Analogs of this series have insertional activity towards replicated DNA. They can be used to label cells and track DNA synthesis^[1]. 5-Azidomethyl-2',3',5'-tri-O-benzoyl 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]. Cavanagh BL, et al. Thymidine analogues for tracking DNA synthesis. *Molecules*. 2011 Sep 15;16(9):7980-93.

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

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