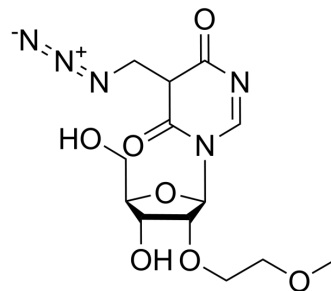


## 5-(Azidomethyl)-2'-O-(2-methoxyethyl)uridine

Cat. No.:	HY-152525
CAS No.:	2305415-77-2
Molecular Formula:	C <sub>13</sub> H <sub>19</sub> N <sub>5</sub> O <sub>7</sub>
Molecular Weight:	357.32
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'-O-(2-methoxyethyl)uridine is a thymidine analogue. Analogs of this series have insertional activity towards replicated DNA. They can be used to label cells and track DNA synthesis<sup>[1]</sup>. 5-(Azidomethyl)-2'-O-(2-methoxyethyl)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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