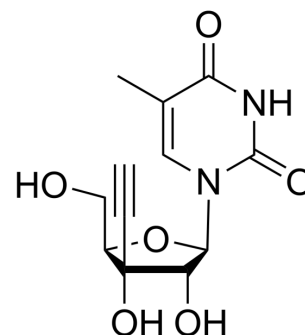


## 3'-β-C-Ethynyl-5-methyl uridine

Cat. No.:	HY-152488
CAS No.:	180300-52-1
Molecular Formula:	C <sub>12</sub> H <sub>14</sub> N <sub>2</sub> O <sub>6</sub>
Molecular Weight:	282.25
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

3'-β-C-Ethynyl-5-methyl 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<sup>[1]</sup>. 3'-β-C-Ethynyl-5-methyl uridine is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

### REFERENCES

[1]. Robak T, Robak P. Purine nucleoside analogs in the treatment of rarer chronic lymphoid leukemias. *Curr Pharm Des.* 2012;18(23):3373-88.

[2]. 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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