

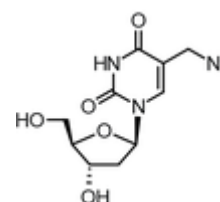
FT-ANF1G0



## AmdU (5-azidomethyl-2'-deoxyuridine)

### Product Description

<b>Name :</b>	<b>AmdU</b>
<b>Catalog Number :</b>	5-azidomethyl-2'-deoxyuridine <b>FP-ANF1G0</b> , 5 mg <b>FP-ANF1G1</b> , 25 mg <b>FP-ANF1G2</b> , 100 mg
<b>Structure &amp; Properties:</b> physical	<b>MW=</b> 283.24 g/mol
<b>Storage:</b>	<b>Soluble:</b> good in water, alcohols, DMSO, DMF 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.



### Introduction

Azidomethyl-dU (AmdU) is a nucleoside that contains an azide group. The structure of the nucleoside is similar to thymidine, and it is incorporated into nascent DNA by cellular polymerases, similarly to EdU.

Unlike EdU that needs to be further modified with azides in the presence of copper catalyst, AmdU can also react in the absence of copper catalyst using spAAC Click Chemistry with strained cycloalkynes, such as cyclooctynes. This enables detection of nascent DNA in benign, copper free conditions.

## Technical and scientific information

### References

- **Kath-Schorr S. et al.**, Cycloadditions for Studying Nucleic Acids, *Topics in Current Chemistry*, 374:4 (2016)
- **Shiau GT et al.**, Synthesis and biological activities of 5-(hydroxymethyl, azidomethyl, or aminomethyl)-2'-deoxyuridine and related 5'-substituted analogues, *Journal of Medicinal Chemistry*, 23(2):127-133 (1980)

### Related products

- EdU, FP-MM9829
- Sulfo-CY<sub>amine</sub>5 alkyne
- Copper(II)-TBTA complex, 10 mM, FY2780

## Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>.  
Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : FluoProbes® / Interchim; Hotline : +33(0)4 70 03 73 06

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