5-N_3Ac-AA-dUTP

Azide-containing analogue of dUTP

The azide-containing 5-N_3Ac-AA-dUTP is an analogue of dUTP and a suitable molecular tool for the copper(I)-catalysed Huisgen azide-alkyne [3+2] cycloaddition (CuAAC) or copper(I)-free strain-promoted Alkyne-Azide Click Chemistry (SPAAC) with strained alkynes, respectively. Both reactions have attracted particular interest for the introduction of reporter groups and for the labelling of various biomolecules like TTP-binding proteins by the so-called click-chemistry technique. 5-Azide-functionalised pyrimidine nucleotides can replace their natural counterpart TTP in polymerase reactions, leading to the generation of a modified and functionalized DNA strand that can subsequently be further reacted and modified using click chemistry methods.

BLG-A358-0125 (5 x 0.25 µmol pack size) is not sold in the U.S. or Canada. Please contact us for available options.

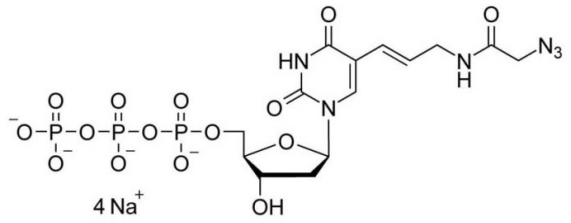
Ordering Information

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BLG-A358-0125	5x0.25µmol

Manuals, SDS & CofA

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4 Na+
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Handling & Storage

Long Term Storage -80°C

Shipping Dry Ice

Regulatory Status RUO - Research Use Only

Product Details

Alternative Name 5-(3-(2-Azidoacetyl)aminoallyl)-2′-deoxyuridine-5′-O-triphosphate . sodium salt

Couple Type Modified nucleotides

Formula $C_{14}H_{21}N_6O_{15}P_3$ (free acid)

MW 606.3 (free acid)

Purity > 95% HPLC

Quantity 0.25µmol = ~152µg

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