7-N_3Ac-AParg-7-C-dATP

Azide-containing analogue of dATP

The azide-containing 7-N_3Ac-AParg-7-C-dATP is an analogue of dATP 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 dATP-binding proteins by the so-called click-chemistry technique. Azide-functionalised 7-deaza purine nucleotides can replace their natural counterpart dATP in polymerase reactions, resulting in functionalized DNA that can subsequently be further reacted and modified using click chemistry methods.

BLG-A383-0125 (5 x 0.25 µmol pack size) is not sold in the U.S. or Canada. Please contact us for available options.

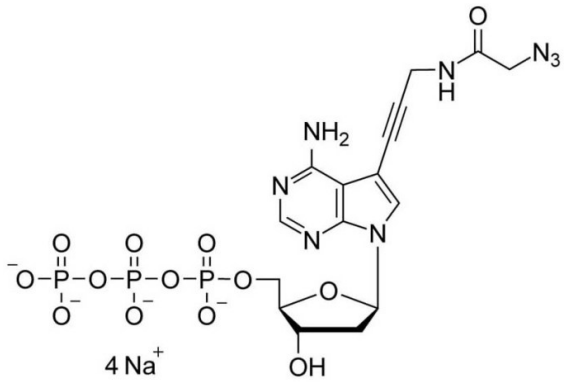
Ordering Information

Order Online »

BLG-A383-0125	5x0.25µmol

Manuals, SDS & CofA

View Online »


O
N3
N
H
NH2
N
N
N
O
O
O
O
O
O
O
O
O
O
O
4 Na+
OH

Handling & Storage

Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	7-(3-(2-Azidoacetyl)aminopropargyl)-7-deaza-2′-deoxyadenosine-5′-O-triphosphate . sodium salt
CAS	2570307-48-9
Couple Type	Modified nucleotides
Formula	$C_{16}H_{21}N_8O_{13}P_3$ (free acid)
MW	626.3 (free acid)
Purity	> 95% HPLC
Quantity	0.25µmol = ~157µg

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

For local distributors and detailed product information visit us online: enzo.com All product names, logos, and brands are the property of their respective owners.