β-L-dGTP

Ribose-modified dGTP analogue

β-L-dGTP is the mirror image version of naturally occurring β-D-dGTP, where the guanine nucleobase is connected to 2'-deoxy-β-L-ribose. Nucleoside triphosphate precursor for the formation of highly nuclease-resistant L-DNA. L-DNA is used and explored for biological applications like aptamers, molecular beacons and drug nanocarriers. Useful for research into dGTP-dependent receptor proteins. Inhibitor of human telomerase.

BLG-G037-25 (5 x 5 µmol pack size) is not sold in the U.S. or Canada. Please contact us for available options.

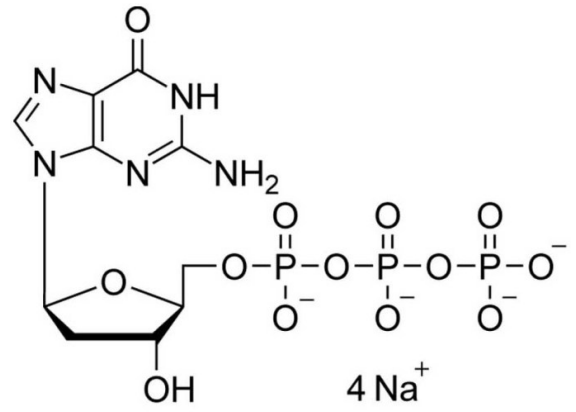
Ordering Information

Order Online »

BLG-G037-05	5µmol
BLG-G037-25	5x5µmol

Manuals, SDS & CofA

View Online »


O
N
NH
N
N
NH2
O
O
O
O
P
O
P
O
P
O
O
O
O
O
O
OH
4 Na+

Handling & Storage

Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Guanine-2′-deoxy-β-L-ribofuranosyl-5′-O-triphosphate
CAS	198639-09-7
Couple Type	Modified nucleotides
Formula	$C_{10}H_{16}N_5O_{13}P_3$ (free acid)
MW	507.2 (free acid)
Purity	> 95% HPLC
Quantity	5µmol are equivalent to ~2.5 mg
Technical Info / Product Notes	For the Original Manufacturer's data sheet please click here.

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

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