[$^{13}C_{20}$,$^{15}N_{10}$]-c[G(2′,5′)pA(3′,5′)p] / [$^{13}C_{20}$,$^{15}N_{10}$]-2’3′-cGAMP

BLG-C410-0025 (5 x 0.05 µmol pack size) is not sold in the U.S. or Canada. Please contact us for available options.

Stable isotope version of the metazoan cyclic dinucleotide second messenger c[G(2',5')pA(3',5')p] / 2'3'-cGAMP

Ordering Information

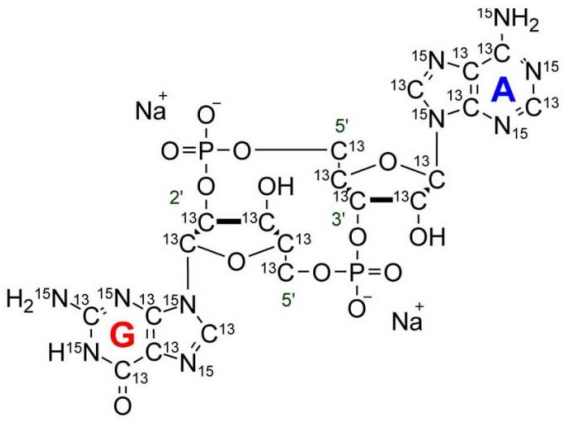
Order Online »

BLG-C410-0005	0.05µmol
BLG-C410-0025	5x0.05µmol

Manuals, SDS & CofA

View Online »

[$^{13}C_{20}$,$^{15}N_{10}$]-c[G(2',5')pA(3',5')p] is the stable isotope version of the metazoan cyclic dinucleotide second messenger c[G(2',5')pA(3',5')p] / 2'3'-cGAMP (Biolog Cat. No. C 161). c[G(2',5')pA(3',5')p] is produced by the mammalian innate immune DNA sensor cGAMP synthase (cGAS) and potently activates the immune signalling protein STING (stimulator of interferon genes). [$^{13}C_{20}$,$^{15}N_{10}$]-c[G(2',5')pA(3',5')p] is suitable as internal standard in LC-MS applications for c[G(2',5')pA(3',5')p]. The isotopic purity is 98% for ^{13}C and ^{15}N, respectively.


Na+
O−
O=P−O
2'
OH
5'
3'
OH
O−P=O
O−
Na+
A
G
H2 15N
H15N
O

Handling & Storage

Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Cyclic (guanosine-[13C10,15N5]-(2'→5′)-monophosphate-adenosine- [13C10,15N5]-(3'→5′)-monophosphate) . sodium salt, [13C20,15N10]-cGAMP(2′-5′), [13C20,15N10]-2′,5′-3′,5′-cGAMP
Formula	$^{13}C_{20}H_{24}{}^{15}N_{10}O_{13}P_2$ (free acid)
MW	704.4 (free acid)
Purity	> 95% HPLC
Quantity	0.05µmol = ~35µg
Technical Info / Product Notes	For the Original Manufacturer's data sheet please click here.

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