8-Br-2′-O-Me-cAMP

Epac agonist

Analogue of the natural signal molecule cyclic AMP in which the hydrogen in position 8 of the heterocyclic nucleobase is replaced by bromine. In addition, the ribose 2'-hydroxy group has been methylated.
Potent stimulator of exchange factors directly activated by cAMP (Epac or cAMP-GEF), a newly discovered receptor for cyclic AMP. Since a free 2'-ribose hydroxyl group in cyclic AMP is essential for stimulation of cAMP-dependent protein kinase (PKA), the methylated structure of 8-Br-2'-O-Me-cAMP is an extremely poor PKA activator and allows for specific discrimination between both signalling pathways.

BLG-B022-25 (5 x 5 µmol pack size) is not sold in the U.S. or Canada. Please contact us for available options.

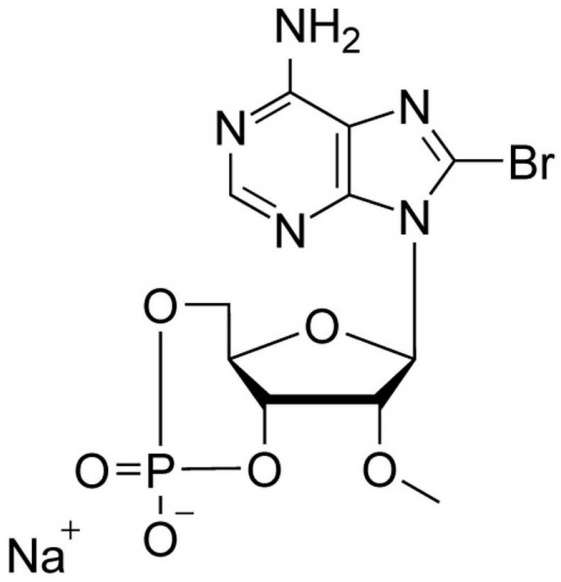
Ordering Information

Order Online »

BLG-B022-05	5µmol
BLG-B022-25	5x5µmol

Manuals, SDS & CofA

View Online »

NH2
N
N
Br
N
N
O
O
O=P—O
O
O−
Na+

Handling & Storage

Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	8-Bromo-2′-O-methyladenosine-3′,5′-cyclic monophosphate . sodium salt
CAS	612513-13-0
Couple Type	Activator, Modified nucleotides
Formula	$C_{11}H_{12}BrN_5O_6P$. Na
MW	444.1
Purity	> 98% HPLC
Quantity	5µmol=~2.2mg
Solubility	Soluble (at least 100mM) in water or buffers. Please rinse tube walls carefully and preferably use ultrasonic or vortex to achieve total and uniform mixing.
Technical Info / Product Notes	For the Original Manufacturer's data sheet please click here.

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