Rp-8-Br-MB-cAMPS

Metabolically activatable form of the PKA inhibitor Rp-8-Br-cAMPS

Rp-8-Br-MB-cAMPS is a lipophilic precursor of the cyclic AMP antagonist Rp-8-Br-cAMPS (Prod. No. BLG-B001). The butyryl group masks the polar 2' hydroxyl group and facilitate membrane permeability. During metabolic activation by intracellular esterases the inhibitor and butyrate are released. As observed with dibutyryl cAMP, release of butyrate can already start in the medium if it contains serum esterases. Please note that butyrate can have its own biochemical effects, therefore a control experiment with sodium butyrate is necessary.
Significantly more lipophilic and membrane permeant compared to Rp-8-Br-cAMPS.

BLG-B010-25 (5 x 5 µmol pack size) is not sold in the U.S. or Canada. Please contact us for available options.

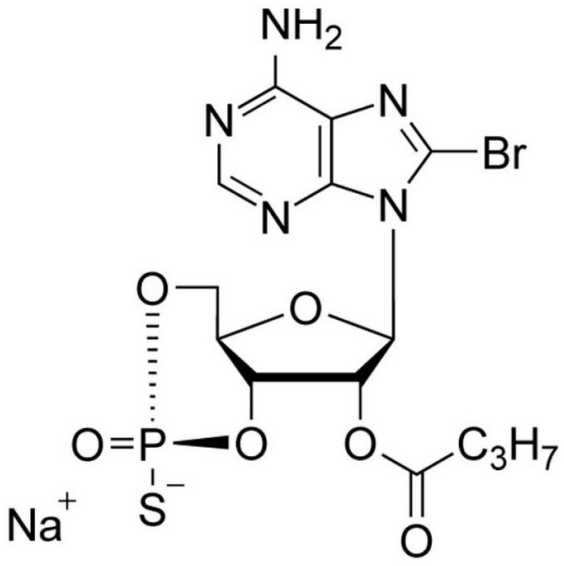
Ordering Information

Order Online »

BLG-B010-05	5µmol
BLG-B010-25	5x5µmol

Manuals, SDS & CofA

View Online »


NH2
N
N
Br
N
N
O
O
O=P
O
O
C3H7
S−
Na+
O

Handling & Storage

Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	8-Bromo-2′-O-monobutyryladenosine-3′,5′-cyclic monophosphorothioate . sodium salt, Rp-isomer
Appearance	Lyophilized or crystallized sodium salt.
CAS	788807-32-9
Couple Type	Modified nucleotides
Formula	$C_{14}H_{16}BrN_5O_6PS$. Na
MW	516.2
Purity	> 97% HPLC
Quantity	5µmol=~2.6mg
Reconstitution	Rinse tube walls carefully and preferably use ultrasonic or vortex to achieve total and uniform mixing.
Solubility	Soluble in water or buffer.
Technical Info / Product Notes	For the Original Manufacturer's data sheet please click here.

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