# Rp-2′-O-MB-cAMPS

## Metabolically activatable Form of the PKA inhibitor Rp-cAMPS

Lipophilic precursor of Rp-cAMPS, a competitive inhibitor of protein kinase A type I and II ( cyclic AMP antagonist). During metabolic activation by esterases the inhibitor and butyrate are released. Significantly more lipophilic and membrane permeant compared to Rp-cAMPS. Resistant against mammalian cyclic nucleotide-dependent phosphodiesterases.

*BLG-M004-25 (5 x 5 µmol pack size) is not sold in the U.S. or Canada. Please contact us for available options.*

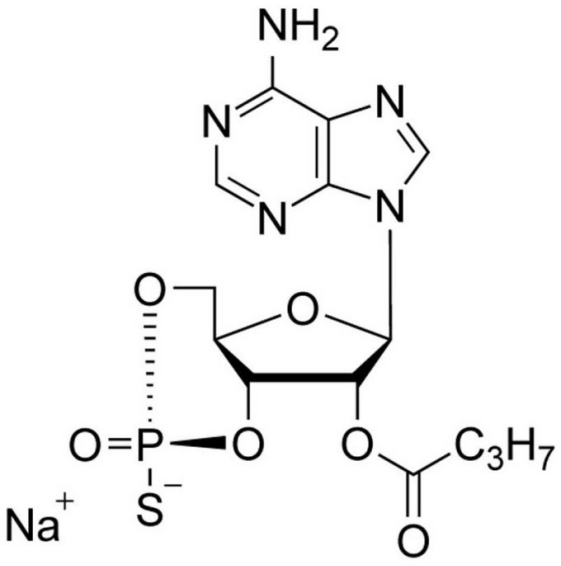
## Ordering Information

Order Online »

| | |
|---|---|
| **BLG-M004-05** | 5µmol |
| **BLG-M004-25** | 5x5µmol |

## Manuals, SDS & CofA

View Online »


NH2
N
N
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** | 2′-O-Monobutyryladenosine-3′,5′-cyclic monophosporothioate . sodium salt, Rp-isomer |
| **Appearance** | Lyophilized or crystallized sodium salt. |
| **CAS** | 152218-23-0 |
| **Couple Type** | Modified nucleotides |
| **Formula** | $C_{14}H_{17}N_5O_6PS$ . Na |
| **MW** | 437.4 |
| **Purity** | > 97% HPLC |
| **Quantity** | 5µmol=~2.2mg |
| **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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