Sp-8-Br-2′-O-Me-cAMPS

PDE-resistant, membrane-permeant Epac agonist

Sp-8-Br-2'-O-Me-cAMPS is a hydrolysis-resistant form of 8-Br-2'-O-Me-cAMP (Prod. No. BLG-B022) which is a potent membrane-permeant stimulator of the exchange factors directly activated by cAMP (Epac or cAMP-GEF).
Since a free 2'-ribose hydroxyl group in cyclic AMP is essential for stimulation of cAMP-dependent protein kinase (PKA), the methylated structure of Sp-8-Br-2'-O-Me-cAMPS is an extremely poor PKA activator and allows for specific discrimination between both signalling pathways. On the other hand, potent activators of PKA carrying a modified 6 position at the adenine nucleobase can be used as Epac-negative controls. N6-modified cyclic AMP analogues such as N^6-Benzoyl-cAMP (Prod. No. BLG-B009) or N^6-Phenyl-cAMP (Prod. No. BLG-P006) are specific PKA agonists, but show only neglectable agonistic properties on Epac.

BLG-B031-05 (5 x 1 µmol pack size) is not sold in the U.S. or Canada. Please contact us for available options.

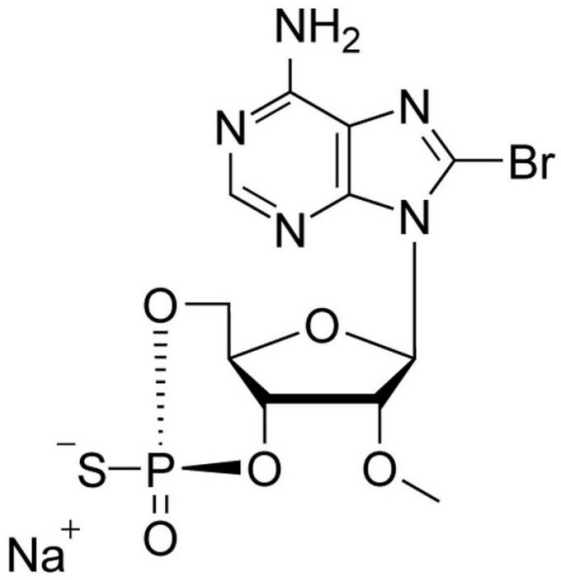
Ordering Information

Order Online »

BLG-B031-01	1µmol
BLG-B031-05	5x1µmol

Manuals, SDS & CofA

View Online »


NH2
N
N
Br
N
N
O
O
S
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 monophosphorothioate, Sp-isomer . sodium salt
CAS	634208-34-7
Couple Type	Modified nucleotides
Formula	$C_{11}H_{12}BrN_5O_5PS$. Na
MW	460.2
Purity	> 98% HPLC
Quantity	1µmol=~0.5 mg
Solubility	Soluble in water (≥10mM).
Technical Info / Product Notes	For the Original Manufacturer's data sheet please click here.

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