6-Bnz-cAMP-AM

The acetoxymethyl group of 6-Bnz-cAMP-AM masks the charged polar phosphate and thus makes the molecule highly membrane-permeant. Inside the cell esterases release the more polar 6-Bnz-cAMP which is a potent, site-selective activator of cAMP-dependent protein kinase. 6-Bnz-cAMP does not activate Epac and thus can be used as an Epac-negative control.
Phosphate tris(acetoxymethyl)ester, PO_4-AM_3 (Prod. No. BLG-P030), is recommended as control reagent in 6-Bnz-cAMP-AM applications to test for side effects of enzymatically released acetic acid and formaldehyde, two metabolites with potential biological functions.

BLG-B079-05 (5 x 1 µmol pack size) is not sold in the U.S. or Canada. Please contact us for available options.

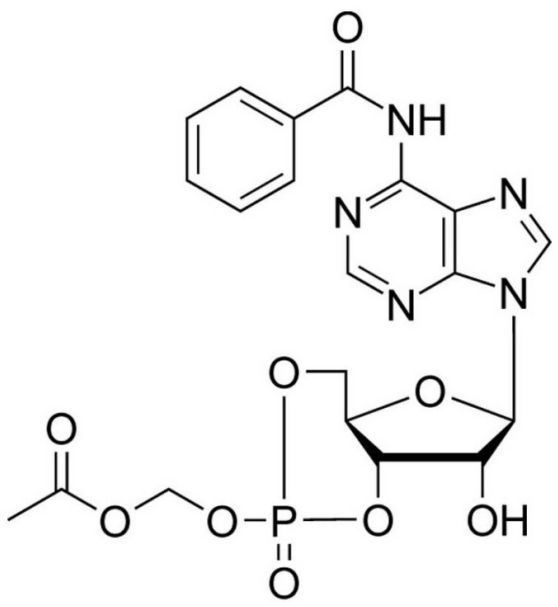
Ordering Information

Order Online »

BLG-B079-01	1µmol
BLG-B079-05	5x1µmol

Manuals, SDS & CofA

View Online »


O
NH
N
N
N
N
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P
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Handling & Storage

Use/Stability	Aqueous solutions are rather labile and should be freshly prepared immediately before use. Stock solutions in anhydrous DMSO or DMF should be relatively stable when stored frozen at -20°C to -80°C.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	N6-Benzoyladenosine-3′,5′-cyclic monophosphate, acetoxymethyl ester
Couple Type	Modified nucleotides
Formula	$C_{20}H_{20}N_5O_9P$
MW	505.4
Purity	> 97% HPLC for mixture of isomers
Quantity	1µmol=~0.5 mg
Solubility	Due to its rather high lipophilicity, the solubility of 6-Bnz-cAMP-AM in water or buffers is limited. It is suggested to use a small amount of anhydrous organic solvent such as anhydrous DMSO or DMF for dissolution at 1-100mM, and to dilute with water or buffer down to the concentrations required. In some cases, especially at high concentrations (~1mM), Pluronic® F-127 (Molecular Probes) can be useful to facilitate solubilization in physiological media. Please keep in mind that due to the high potency of 6-Bnz-cAMP-AM relatively low concentrations (0.005-0.1mM) should be sufficient, and be sure to check for DMSO/DMF tolerance in your system.
Technical Info / Product Notes	For the Original Manufacturer's data sheet please click here.

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