Sp-5,6-Dichloro-cBIMPS

PKA activator

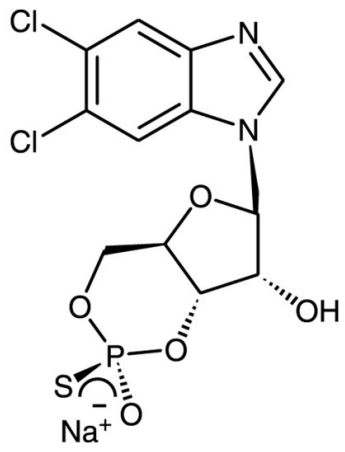
A cAMP analog which is a potent and specific activator of cAMP-dependent protein kinase. It is cell permeable and is not significantly hydrolyzed by type I, II or III phosphodiesterases. It may be used to distinguish the cAMP- versus the cGMP-mediated signal transduction pathways. Surpasses the widely used but problematic dibutyryl-cAMP (Prod. No. BML-CN125) or 8-CPT-cAMP (Prod. No. BML-CN130).

Citations: 5 View Online »

Ordering Information Order Online »

BML-CN120-0001	1mg

Manuals, SDS & CofA View Online »


Cl
Cl
N
N
O
OH
O
P
O
S
O
Na+

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Store, as supplied, at -20°C for up to 1 year. Store solutions at -20°C for up to 3 months.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	White solid.
CAS	120912-54-1
Couple Target	PKA
Couple Type	Activator
Formula	$C_{12}H_{10}N_2O_5PSCl_2$. Na
MW	419.2
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO (167 mM), dimethyl formamide (167 mM), 96 % ethanol (167 mM), methanol (25 mM), water (25 mM) and aqueous buffers such as phostphate buffered saline (pH 7.4; 1.4 mM), 25 mM TRIS (pH 7.4-; 25 mM), 25 mM HEPES (pH 7.2; 35.7 mM) or Na2HPO4.
Source	Synthetic.

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