

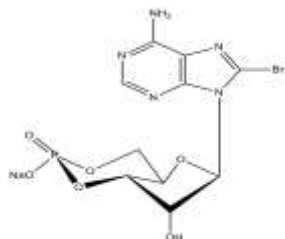
8-Br-cAMP

ALTERNATE NAME: 8- Bromoadenosine- 3', 5'- cyclic monophosphate; cyclic 8-bromoadenosine- 3', 5'- monophosphate; 8- bromoadenosine- 3', 5'-Monophosphate

CATALOG #: 1837-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₀H₁₀BrN₅O₆P. Na

MOLECULAR WEIGHT: 430.08

CAS NUMBER: 76939-46-3

APPEARANCE: White to off-white powder

SOLUBILITY: Water (~100 mg/ml)

PURITY: ≥98% by TLC

STORAGE: Store at -20 °C

DESCRIPTION: A cell-permeable cAMP analog that is more resistant to hydrolysis by phosphodiesterases than cAMP. Activates protein kinase A, inhibits growth, decreases proliferation, increases differentiation, and induces apoptosis of cultured cells. Also recently shown to improve the reprogramming efficiency of human neonatal foreskin fibroblast (HFF1) cells 2-fold.

REFERENCE: Wang, Y., and Adjaye, J. (2010). *Stem Cell Rev.* Dec. 1

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- CHIR99021 (Cat. No. 1677-5, 25)
- PD-0325901 (Cat. No. 1643-2)
- Pyrintegrin (Cat. No. 1629-1,5)
- EZSolution™ Pyrintegrin (Cat. No. 1737-1)
- SB-431542 (Cat. No. 1674-1)
- Thiazovivin (Cat. No. 1681-1,5)
- EZSolution™ Thiazovivin (Cat. No. 1736-1)
- Y-27632, 2HCl (Cat. No. 1596-1,5,50)
- EZSolution™ Y-27632, 2 HCl (Cat. No. 1784-5)