Product datasheet

8-Br-cAMP (8-Bromo-cAMP) ab141448

1 References

Overview

Product name 8-Br-cAMP (8-Bromo-cAMP)
Description cAMP analog. PKA activator.
Biological description Cell-permeable cAMP analog. Activates PKA. Inhibits cell growth, decreases proliferation and increases differentiation. Additionally induces apoptosis. Also improves reprogramming efficiency of fibroblast cells.
Purity > 99%

Properties

Chemical name 8-Bromoadenosine-3',5'-cyclic monophosphate sodium salt
Molecular weight 430.09
Chemical structure

![Chemical structure](image)

Molecular formula C_{10}H_{10}BrN_{3}NaO_{6}P
CAS Number 76939-46-3
PubChem identifier 23712387
Storage instructions Store at -20°C. It is important to note that this product is reported to be light sensitive. Store in the Dark. Store under desiccating conditions.
Solubility overview Soluble in water to 100 mM
Handling Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be usable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES C1C2C(C(C(O2)N)3C4=C(C(=NC=N4)N=N=C3Br)O)OP(=O)(O1)[O-].[Na+]
Source Synthetic
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