

Product datasheet

Dibutyryl-cAMP, sodium salt ab285392

1 References

Overview

Product name	Dibutyryl-cAMP, sodium salt
Description	cAMP dependent protein kinase activator
Biological description	Dibutyryl cAMP is a cell-permeable cyclic AMP analog that activates cAMP dependent protein kinase (PKA) or the cAMP/PKA signaling pathway.
Purity	>= 95%
General notes	This product is manufactured by BioVision, an Abcam company and was previously called 2769 Dibutyryl-cAMP, sodium salt. 2769-50 is the same size as the 50 mg size of ab285392. Protect from light and moisture.
CAS Number	16980-89-5

Properties

Chemical name	sodium;[(4 <i>aR</i> ,6 <i>R</i> ,7 <i>R</i> ,7 <i>aR</i>)-6-[6-(butanoylamino)purin-9-yl]-2-oxido-2-oxo-4 <i>a</i> ,6,7,7 <i>a</i> -tetrahydro-4 <i>H</i> -furo[3,2- <i>d</i>][1,3,2]dioxaphosphinin-7-yl] butanoate
Molecular weight	491.37
Molecular formula	C ₁₈ H ₂₃ N ₅ NaO ₈ P
PubChem identifier	23663967
Storage instructions	Shipped at 4°C. Store at -20°C. Store In the Dark. Store under desiccating conditions. This product is air and light sensitive and impurities can occur as a result of air oxidation or due to metabolism by microbes.
Solubility overview	H ₂ O (~50 mg/ml) or DMSO (~ 50 mg/ml)
SMILES	<chem>CCCC(=O)NC1=C2C(=NC=N1)N(C=N2)[C@H]3[C@@H]([C@H]4[C@H](O3)COP(=O)(O4)[O-])OC(=O)CCC.[Na+]</chem>

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet

- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team