

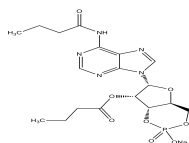
Product: Dibutyryl-cAMP, sodium salt

ALTERNATE NAME: N-(1-oxobutyl)-cyclic 3',5'-(hydrogen phosphate) 2'-butanoate-adenosine, monosodium salt; Bucladesine, sodium

CATALOG #: 2769-10, 50

AMOUNT: 10 mg, 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₈H₂₃N₅O₈P · Na

MOLECULAR WEIGHT: 491.37

CAS NUMBER: 16980-89-5

APPEARANCE: White solid

SOLUBILITY: H₂O (~50 mg/ml) or DMSO (~ 50 mg/ml)

PURITY: ≥95% by HPLC

STORAGE: Store at -20°C. Protect from air and moisture

DESCRIPTION: Dibutyryl cAMP is a cell-permeable cyclic AMP analog that activates cAMP dependent protein kinase (PKA) or the cAMP/PKA signaling pathway.

REFERENCE: Carranza, M.L., *et al.* (1998). *J. Physiol.* **511** (Pt1), 235-243.

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

RELATED PRODUCTS:

A-769662 (Cat. No. 1719-5)

AICAR (1687-50, 250)

AMPK Activator, D-942 (Cat. No. 2341-1, 5)

Anisomycin (Cat. No. 1549-10)

Aurintricarboxylic acid (Cat. No. 1506-1000)

Bryostatin 1 (Cat. No. 2513-50, 250)

Cordycepin (Cat. No. 2078-10, 50)

8-Br-cAMP (Cat. No. 1837-5, 25)

8-Br-cGMP (Cat. No. 1838-5, 25)

Ingenol (Cat. No. 2527-1, 5)

Ingenol 3-angelate (Cat. No. 2593-1)

Metformin hydrochloride (Cat. No. 1691-5G)

MLR-1023 (Cat. No. 2685-5, 25)

Phenformin hydrochloride (Cat. No. 1889-100, 1000)

Phorbol-12-myristate-13-acetate (Cat. No. 1544-5)

SC-79 (Cat. No. 2766-1,5)

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