

Dibutyryl cAMP, PKA activator

Catalog	Unit
TBI2627-25MG	25 mg
TBI2627-100MG	100 mg

Product Details

Formal Name: N6,O2'-Dibutyryl adenosine 3',5'-cyclic monophosphate sodium salt

Alternate Names: Bucladesine Na

Molecular Formula: C₁₈H₂₃N₅O₈P · Na

Formula Weight: 491.40

CAS Number: 16980-89-5

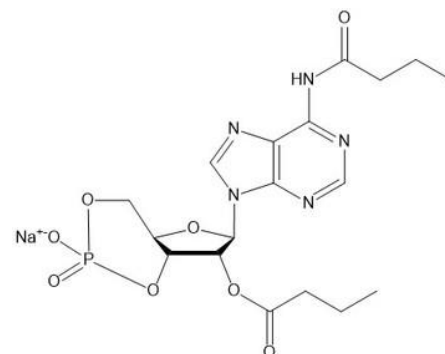
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (50 mg/ml); water (50 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

PKA activator

Functions

Cell-permeable cAMP analog which mimics the effect of endogenous cAMP when applied to cells. Activates PKA. Induces morphological differentiation of astrocytes. Promotes differentiation of dopaminergic neurons from hPSCs (in cocktails with other agents).

Application Procedures

First dissolved in DMSO (50 mg/ml); water (50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.