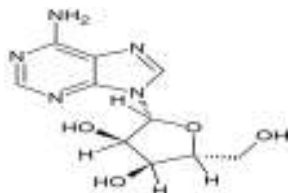


Adenosine

ALTERNATE NAME: NSC-7652
2R-(6-amino-9H-purin-9-yl)-5R-(hydroxymethyl)tetrahydrofuran-3R,4S-diol

CATALOG #: B2770-1G 1 g
B2770-5G 5 g
B2770-50 50 mg
STRUCTURE: B2770-250 250 mg



MOLECULAR FORMULA: C₁₀H₁₃N₅O₄

MOLECULAR WEIGHT: 267.25

CAS NUMBER: 58-61-7

APPEARANCE: White to off-white solid

PURITY: ≥98%

SOLUBILITY: ~20 mg/ml DMSO

DESCRIPTION: Adenosine is a purine nucleoside that serves as an endogenous ligand of a family of four adenosine receptors, which serve diverse roles related to smooth muscle tone, central nervous system regulation, and cardiac function. Adenosine is one of four nucleoside building blocks to RNA, which is essential for all life. Adenosine is a precursor for adenosine 5'-monophosphate, adenosine 5'-diphosphate, adenosine 5'-triphosphate and cyclic AMP.

STORAGE TEMPERATURE: -20°C. Protect from moisture

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

RELATED PRODUCTS:

ATP Colorimetric/Fluorometric Assay Kit (K354)
EZScreen™ ATP Colorimetric Assay Kit (384-well) (K959)
ATP Solution (100 mM) (2121)
ApoSENSOR™ ATP Cell Viability Bioluminescence Assay Kit (K254)

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