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DATASHEET

Adenosine

Product overview

Name	Adenosine
Cat No	HB2843
Biological action	Agonist
Description	Endogenous adenosine receptor agonist

Biological Data

Biological description	Endogenous adenosine receptor agonist (EC ₅₀ values are 0.29 0.31, 0.7 and 24 μM at human A ₃ , A ₁ , A _{2A} and A _{2B} receptors respectively). Shows neuromodulatory, cytoprotective, anti-inflammatory and cardioprotective actions.
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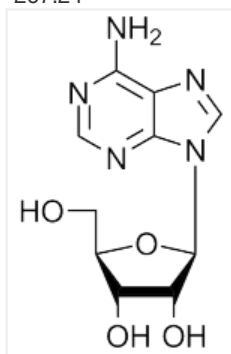
Solubility & Handling

Storage instructions	-20 °C
Solubility overview	Soluble in water (10 mM) and in DMSO (75 mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	9-β-D-Ribofuranosyl-9H-purin-6-amine
Molecular Weight	267.24

Chemical structure



Molecular Formula	C ₁₀ H ₁₃ N ₅ O ₄
CAS Number	58-61-7
PubChem identifier	60961
SMILES	C1=NC2=C(C(=N1)N)N=CN2[C@H]3[C@@H]([C@@H]([C@H](O3)CO)O)O
InChi	InChI=1S/C10H13N5O4/c11-8-5-9(13-2-12-8)15(3-14-5)10-7(18)6(17)4(1-16)19-10/h2-4,6-7,10,16-18H,1H2,(H2,11,12,13)/t4-,6-,7-,10-/m1/s1
InChiKey	OIRDYFTABQOQ-KQYNXXCUSA-N
MDL number	MFCD00005752