

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@hellobio.com



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. |
|-------------------------------|--|

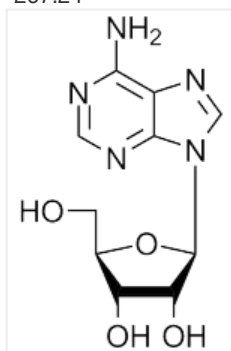
Solubility & Handling

| | |
|-----------------------------|---|
| 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 | OIRDTQYFTABQOQ-KQYNXXCUSA-N |
| MDL number | MFCD00005752 |