

Product Information

8-Hydroxyadenosine

Cat. No.: X24-03-LY050

Size: 5 mg; 10 mg; 25 mg; 100 mg

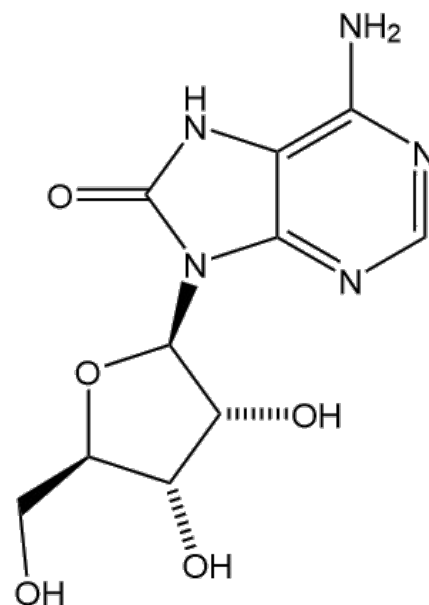
MDL: MFCD28100834

CAS Number: 29851-57-8

PubChem CID: 96852

Synonym: 29851-57-8; 8-Oxoadenosine; 6-Amino-9-[(2*R*, 3*R*, 4*S*, 5*R*)-3, 4-dihydroxy-5-(hydroxymethyl)-2-oxolanyl]-7*H*-purin-8-one; 6-Azanyl-9-[(2*R*, 3*R*, 4*S*, 5*R*)-5-(hydroxymethyl)-3, 4-bis(oxidanyl)oxolan-2-yl]-7*H*-purin-8-one

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	8-Hydroxyadenosine is a purine nucleoside, a biologically active form of adenosine
Molecular Weight	283.24
Molecular Formula	C ₁₀ H ₁₃ N ₅ O ₅
IUPAC Name	6-Amino-9-[(2 <i>R</i> , 3 <i>R</i> , 4 <i>S</i> , 5 <i>R</i>)-3, 4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-7 <i>H</i> -purin-8-one
InChI	InChI=1S/C10H13N5O5/c11-7-4-8(13-2-12-7)15(10(19)14-4)9-6(18)5(17)3(1-16)20-9/h2-3, 5-6, 9, 16-18H, 1H2, (H, 14, 19)(H2, 11, 12, 13)/t3-, 5-, 6-, 9-/m1/s1
InChI Key	UEHOMUNTZPIBIL-UUOKFMHZSA-N
Canonical SMILES	C1=NC(=C2C(=N1)N(C(=O)N2)C3C(C(C(O3)CO)O)O)N
Isomeric SMILES	C1=NC(=C2C(=N1)N(C(=O)N2)[C@H]3[C@@H]([C@@H]([C@H](O3)CO)O)O)N
Form	White to off-white solid
Purity	≥98%
Applications	8-Hydroxyadenosine is an important tool widely used in the study of cell biology, drug-drug interactions, cell signaling, <i>etc.</i>
Storage	Store at -20°C.

Safety Information



Personal Protective Equipment Gloves, eyeshields, N95 mask

Hazard Statements H302-H315-H319-H335
