



Product Information

N6-p-Sulfophenyladenosine

Cat. No.: X24-03-LY312

Size: 1 g; 5 g; 10 g; 25 g; 100 g

CAS Number: 143668-15-9

Compound CID: 70700494

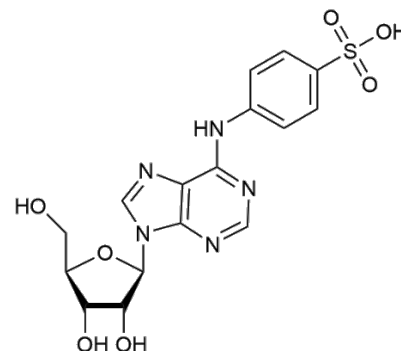
Synonym: 143668-15-9; Sodium

4-((9-((2*R*,3*R*,4*S*,5*R*

)-3,4-dihydroxy-5-(hydroxym

ethyl)-tetrahydrofuran-2-yl)-9*H*-purin-6-yl)amino)benzenesulfonate; Sodium *N*

-(4-sulfonatophenyl)adenosine



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

Product Information

Description	N6-p-Sulfophenyladenosine is a molecule that activates adenylyl cyclase (adenylyl cyclase).
Molecular Weight	423.40
Molecular Formula	C ₁₆ H ₁₇ N ₅ O ₇ S
IUPAC Name	Sodium;4-[[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]purin-6-yl]amino]benzenesulfonate
InChI	InChI=1S/C16H17N5O7S.Na/c22-5-10-12(23)13(24)16(28-10)21-7-19-11-14(17-6-18-15(11)21)20-8-1-3-9(4-2-8)29(25,26)27;/h1-4,6-7,10,12-13,16,22-24H,5H2,(H,17,18,20)(H,25,26,27);/q;+1/p-1/t10-,12-,13-,16-;/m1./s1
InChI Key	JYEFPEJJPNYEHO-KHXPSBENSA-M
Canonical SMILES	C1=CC(=CC=C1NC2=C3C(=NC=N2)N(C=N3)C4C(C(C(O4)CO)O)O)S(=O)(=O)[O-].[Na+]
Isomeric SMILES	C1=CC(=CC=C1NC2=C3C(=NC=N2)N(C=N3)[C@H]4[C@@H]([C@@H]([C@H](O4)CO)O)O)S(=O)(=O)[O-].[Na+]
Form	Solid
Purity	≥98%
Applications	N6-p-Sulfophenyladenosine can also be used as a tool in pharmacological studies to investigate the function of some relevant adenylate receptors and their regulatory mechanisms.
Storage	Store at -20°C.