



Formula: C<sub>13</sub>H<sub>17</sub>N<sub>5</sub>O<sub>4</sub>

MW: 307.31

CAS: 362-75-4

MDL: MFCD00063878

TNP: TNP00488

ISOPROPYLIDENE ADENOSINE; 2',3'-O-ISOPROPYLIDENEADENOSINE;  
2',3'-ISOPROPYLIDENEADENOSINE; 2',3'-IPA; Adenosine, 2',3'-O-(1-methylethylidene)-;  
2',3'-o-Isopropylideneadenosin; 2',3'-O-Isopropylidene-D-adenosine;  
9-(2,3-O-Isopropylidene-beta-D-ribofuranosyl)adenin



LogP: -1.97

LogS: -2.06

Acceptors: 4

Donors: 3

Rotation Bonds: 1

Chiral Centers: 4

N+O: 9

LIPINSKY: 4

IUPAC: [(1R,2R,4R,5R)-4-(6-aminopurin-9-yl)-7,7-dimethyl-3,6,8-trioxabicyclo[3.3.0]oct-2-yl]methan-1-ol

Smiles: n1([C@@H]2O[C@H](CO)[C@@H]3[C@H]2OC(O3)(C)C)c2ncnc(c2nc1)N

SOURCE: 2',3'-O-Isopropylidene derivative of adenosine (Nucleoside)

Specification: API intermediates; Biochemistry; Nucleosides and their analogs; Nucleosides, Nucleotides & Related Reagents; Bases & Related Reagents; Nucleotides; Nucleosides; Oligonucleotide Synthesis; Specialty Synthesis 2',3'-O-Isopropylideneadenosine Chemical Properties:

mp 221-222 C(lit.) refractive index -105 (C=1, Dioxane) storage temp. Store at RT. CAS DataBase Reference 362-75-4 (CAS DataBase Reference) NIST Chemistry Reference Adenosine, 2',3'-o-isopropylidene (362-75-4) Safety 22-24/25 WGK Germany 3 2',3'-O-Isopropylideneadenosine English 2',3'-O-Isopropylideneadenosine Usage And Synthesis Chemical Properties:

Crystalline 2',3'-O-Isopropylideneadenosine