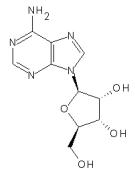

Formula: C10H13N5O4

MW: 267.24

CAS: 58-61-7

TNP NUMBER: TNP00416

MDL NUMBER: MFCD00063727

IUPAC: adenosine

Smiles: C([C@H]1O[C@@H](n2c3c(c(N)ncn3)nc2)[C@@H]([C@@H]1O)O)O

Nucleoside, widely distributed in nature

THERAPEUTIC CATEGORY: Antiarrhythmic

ACCEPTORS: 4

DONORS: 5

ROTATION BONDS: 1

N+O: 9

Chiral Centers: 4

LogP: -3.14

LogS: -1.93

LIPINSKI: 4

Synonyms:
D-ADENOSINE;AR;(2R,3R,4S,5R)-2-(6-AMINO-PURIN-9-YL)-5-HYDROXYMETHYL-TETRAHYDRO-FURAN-3,4-DIOL;9-BETA-D-RIBOFURANOSYLADENINE;ADENINENUCLEOSIDE;ADENINE RIBOSIDE;ADENOSINE;ADENINE-9-BETA-D-RIBOFURANOSIDE

CAS:58-61-7

MF:C10H13N5O4

MW:267.24

EINECS:200-389-9

Product Categories:Pharmaceutical Intermediates;FINE Chemical & INTERMEDIATES;Purine;API intermediates;Nucleosides and their analogs;Biochemistry;Nucleosides, Nucleotides & Related Reagents;Nucleic acids Adenosine

Chemical Properties: mp 234-236 C(lit.) storage temp. 2-8C Merck 14,153 BRN 93029 Stability:Stable. Incompatible with strong oxidizing agents.

CAS DataBase Reference: 58-61-7(

CAS DataBase Reference:) NIST Chemistry Referenceadenosine(58-61-7)

Safety Information: Safety Statements 24/25 WGK Germany 2 RTECS AU7175000 F 10-23 Adenosine Adenosine

Usage And Synthesis:

Chemical Properties: White crystalline powder Biological ActivityNeurotransmitter that acts as the preferred endogenous agonist at all adenosine receptor subtypes. Adenosine