



Formula: C₁₅H₂₁N₅O₅

MW: 351.36

CAS: 6025-53-2

MDL: MFCD04221419

TNP: TNP00321

6-[(E)-4-HYDROXY-3-METHYLBUT-2-ENYLAMINO]-9-B-D-RIBOFURANOSYLPURINE;
6-[(E)-4-HYDROXY-3-METHYLBUT-2-ENYLAMINO]-9-BETA-D-RIBOFURANOSYLPURINE;
9-(BETA-D-RIBOFURANOSYL)-TRANS-ZEATIN;
N6-(TRANS-4-HYDROXY-3-METHYL-2-BUTEN-1-YL)ADENOSINE; ZEATIN RIBOSIDE
TRANS ISOM



LogP: 3.78

LogS: -4.61

Acceptors: 5

Donors: 5

Rotation Bonds: 9

Chiral Centers: 4

N+O: 10

LIPINSKY: 4

IUPAC: 2-{6-[(2E)-4-hydroxy-3-methylbut-2-enyl]amino}purin-9-yl}-5-(hydroxymethyl)oxolane-3,4-diol

Smiles: OC1C(n2c3c(nc2)c(NCC=C(CO)C)ncn3)OC(C1O)CO

Specification: Nucleotides and Nucleosides; Bases & Related Reagents; Nucleotides
trans-Zeatin-riboside Chemical Properties:

mp 176-179 C storage temp. -20C solubility acetic acid: 50 mg/mL, clear, colorless Water
Solubility slightly soluble CAS DataBase Reference6025-53-2(CAS DataBase Reference)
Safety 24/25 WGK Germany 3 F 10-21trans-Zeatin-riboside Usage And Synthesis Chemical
Properties:

Off White Powder-Tan Coloured Cast UsageA well-known, highly active stimulant of cell
divisions in plant tissue cultures trans-Zeatin-riboside