



Formula: C₁₀H₁₅N₃O₅

MW: 257.25

CAS: 2140-61-6

MDL: MFCD02730133

TNP:

5-METHYLCYTIDINE;
4-amino-1-[3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-5-methyl-pyrimidin-2-one;
5-METHYLCYTIDINE, 98.0+%(LC)(T)



LogP: 2.03

LogS: -3.38

Acceptors: 5

Donors: 5

Rotation Bonds: 5

Chiral Centers: 4

N+O: 8

LIPINSKY: 4

Info: Nucleoside Analogs

IUPAC: 6-amino-3-[3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-5-methyl-3-hydropyrimidin-2-one

Smiles: n1(C2C(C(O)C(O2)CO)O)c(nc(c(c1)C)N)=O

Specification: Biochemistry; Nucleosides and their analogs; Nucleosides, Nucleotides & Related Reagents; Biochemicals and Reagents; Nucleoside Analogs; Nucleosides, Nucleotides, Oligonucleotides 5-METHYLCYTIDINE Chemical Properties:

mp 212-215 C (dec.)(lit.) refractive index 15 (C=2, H₂O) CAS DataBase
Reference 2140-61-6 (CAS DataBase Reference) Safety Information Hazard Codes Xi Risk
Statements 36/37/38 Safety Statements 26-36 WGK Germany 3 5-METHYLCYTIDINE Usage
And Synthesis 5-METHYLCYTIDINE