



Formula: C<sub>10</sub>H<sub>14</sub>N<sub>2</sub>O<sub>5</sub>

MW: 242.23

CAS: 50-89-5

MDL: MFCD00063732

TNP: TNP00484

2,4(1H,3H)-Pyrimidinedione, 1-(2-deoxy-beta-D-ribofuranosyl)-5-methyl-; 2-Desoxy-thymidine; 5-Methyldeoxyurindine; beta-D-Ribofuranoside, thymine-1 2-deoxy-; Deoxythymidin; Deoxythymidine; Desoxy-thymidin; Dthyd



LogP: 3.98

LogS: -4.49

Acceptors: 5

Donors: 3

Rotation Bonds: 1

Chiral Centers: 3

N+O: 7

LIPINSKY: 4

Info: Constituent of deoxyribonucleic acids. Isth from thymonucleic acid

IUPAC: 1-[(4S,2R,5R)-4-hydroxy-5-(hydroxymethyl)oxolan-2-yl]-5-methyl-1,3-dihydropyrimidine-2,4-dione

Smiles: C1[C@@H]([C@H](O[C@H]1n1c([nH]c(c(c1)C)=O)=O)CO)O

Specification: FINE Chemical & INTERMEDIATES; Pyridines, Pyrimidines, Purines and Pteredines; chiral; API intermediates; Zidovudine; Stavudine; Biochemistry; Nucleosides and their analogs; Nucleosides, Nucleotides & Related Reagents; Anti-virals; Bases & Related Reagents; Carbohydrates & Derivatives; Intermediates & Fine Chemicals; Nucleotides; Pharmaceuticals; Miscellaneous Specialties Thymidine Chemical Properties:

mp 186-188 C(lit.) alpha 18.6