



Formula: C₃₅H₃₇N₅O₇

MW: 639.71

CAS: 68892-41-1

MDL: MFCD01457384

TNP:

5'-O-DIMETHOXYTRITYL-N-ISOBUTYRYL-DEOXYGUANOSINE;
5'-O-(4,4'-DIMETHOXYTRITYL)-N²-ISOBUTYRYL-2'-DEOXYGUANOSINE;
IBU-DMT-DEOXYGUANOSINE; DMT-DG-IBU; DMT-N-IB-DG; DMT-NIBU-DG;
N²-ISOBUTYRYL-5'-(DIMETHOXYTRITYL)-2'-DEOXYGUANOSINE;
N²-ISOBUTYRYL-5'-O-(4,4'-DIMETHOXYT



LogP: 1.25

LogS: -2.9

Acceptors: 7

Donors: 3

Rotation Bonds: 6

Chiral Centers: 3

N+O: 12

LIPINSKY: 3

Info: Nucleoside analog

IUPAC: N-[9-(5-[[bis(4-methoxyphenyl)phenylmethoxy]methyl]-4-hydroxyoxolan-2-yl)-6-oxo(3-hydropurin-2-yl)]-2-methylpropanamide

Smiles:

C(OCC1OC(CC1O)n1c2c(nc1)c(=O)nc([nH]2)NC(C(C)C)=O)(c1ccc(cc1)OC)(c1ccc(cc1)OC)c1cccc1

Specification: Organics; Biochemistry; Nucleosides and their analogs; Nucleosides, Nucleotides & Related Reagents 5'-O-Dimethoxytrityl-N-isobutyryl-deoxyguanosine Chemical Properties:

mp ~150 C (dec.)(lit.) storage temp. -20C CAS DataBase Reference68892-41-1(CAS DataBase Reference) EPA Substance Registry SystemGuanosine, 5'-O-[bis(4-methoxyphenyl) phenylmethyl]-2'-deoxy- N-(2-methyl-1-oxopropyl)- (68892-41-1) Safety 22-24/25 WGK Germany 3 F 1-3-10 5'-O-Dimethoxytrityl-N-isobutyryl-deoxyguanosine English 5'-O-Dimethoxytrityl-N-isobutyryl-deoxyguanosine Usage And Synthesis 5'-O-Dimethoxytrityl-N-isobutyryl-deoxyguanosine