

Product Information

5'-O-(4,4'-Dimethoxytrityl)-2'-deoxyinosine

Cat. No.: X23-06-YW149

Size: 250 mg; 500 mg; 1 g; 5g; 10g

MDL: MFCD00057879

CAS Number: 93778-57-5

PubChem CID: 136192437

Synonym: DMT-2'-dl; 5'-O-(4,4'-Dimethoxytrityl)-2'-deoxyinosine; DMT-dl;

9-[(2*R*,4*S*,5*R*

)-5-[[bis(4-methoxyphenyl)-phenylmethoxy]methyl]-4-hydroxyoxolan-2-yl]-1H-

purin-6-one; 2'-Deoxy-5'-O-DMT-inosine

This product is for research use only and is not intended for diagnostic use.

Product Information

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|--------------------------|--|
| Molecular Weight | 554.603 |
| Molecular Formula | C ₃₁ H ₃₀ N ₄ O ₆ |
| InChI | InChI=1S/C31H30N4O6/c1-38-23-12-8-21(9-13-23)31(20-6-4-3-5-7-20,22-10-14-24(39-2)15-11-22)40-17-26-25(36)16-27(41-26)35-19-34-28-29(35)32-18-33-30(28)37/h3-15,18-19,25-27,36H,16-17H2,1-2H3,(H,32,33,37)/t25-,26+,27+/m0/s1 |
| InChI Key | IYNGMVFRUKBGNM-OYUWMTPXSA-N |
| Canonical SMILES | <chem>COC1=CC=C(C=C1)C(C2=CC=CC=C2)(C3=CC=C(C=C3)OC)OCC4C(CC(O4)N5C=NC6=C5N=CN6=O)O</chem> |
| Isomeric SMILES | <chem>COC1=CC=C(C=C1)C(C2=CC=CC=C2)(C3=CC=C(C=C3)OC)OC[C@@H]4[C@H](C[C@@H](O4)N5C=NC6=C5N=CNC6=O)O</chem> |
| Form | White to off-white powder |
| Purity | ≥98% |
| Applications | 5'-O-(4,4'-Dimethoxytrityl)-2'-deoxyinosine can be used in machine-assisted DNA synthesis. |
| Storage | Store at 4°C. |