

Product Information

5'-O-(4,4'-Dimethoxytrityl)-2'-fluoro-2'-deoxyuridine

Cat. No.: X23-06-YW169

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

MDL: MFCD06657648

CAS Number: 146954-74-7

PubChem CID: 7073186

Synonym: DMT-2'-F-dU; 2'-Deoxy-5'-O-DMT-2'-fluorouridine;

1-((2*R*,3*R*,4*R*,5*R*

)5-((Bis(4-methoxyphenyl)(phenyl)methoxy)methyl)-3-fluoro-4-hydroxytetrahydrofuran

-2-yl)pyrimidine-2,4(1*H*,3*H*)-dione;

5'-O-[Bis(4-methoxyphenyl)phenylmethyl]-2'-deoxy-2'-fluoro-uridine;

1-[(2*R*,3*R*,4*R*,5*R*

)5-[[bis(4-methoxyphenyl)-phenylmethoxy]methyl]-3-fluoro-4-hydroxyoxolan-2-yl]pyri

midine-2,4-dione

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

Product Information

Molecular Weight	548.567
Molecular Formula	C ₃₀ H ₂₉ FN ₂ O ₇
InChI	InChI=1S/C30H29FN2O7/c1-37-22-12-8-20(9-13-22)30(19-6-4-3-5-7-19,21-10-14-23(38-2)15-11-21)39-18-24-27(35)26(31)28(40-24)33-17-16-25(34)32-29(33)36/h3-17,24,26-28,35H,18H2,1-2H3,(H,32,34,36)/t24-,26-,27-,28-/m1/s1
InChI Key	CSSFZSSZXOCCJB-YULOIDQLSA-N
Canonical SMILES	<chem>COC1=CC=C(C=C1)C(C2=CC=CC=C2)(C3=CC=C(C=C3)OC)OCC4C(C(C(O4)N5C=CC(=O)NC5=O)F)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@H]([C@@H](O4)N5C=CC(=O)NC5=O)F)O</chem>
Form	White to off-white powder
Purity	≥98%
Applications	5'-O-(4,4'-Dimethoxytrityl)-2'-fluoro-2'-deoxyuridine is a reagent that can be used in the synthesis of oligonucleotides.



Storage

Store at 4°C.
