CD BioGlyco

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Product Information

4-Amino-1-((2*R*,4*aR*',7*R*,8*S*,8*aS*')-8-hydroxy-2-phenylhexahydropyrano[3,2-d][1,3]dioxin-7-yl)pyrimidin-2(1*H*)-one

Cat. No.: X24-03-LY555

Size: 100 mg; 250 mg; 500 mg; 1 g

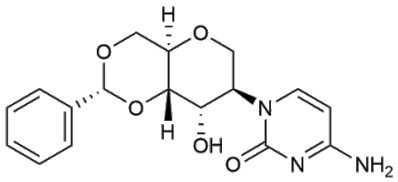
CAS Number: 937031-51-1

Compound CID: 16120868

Synonym: 937031-51-1;

1,5-Anhydro-2-deoxy-2-(3,4-dihydro

-2,4-dioxo-1(2*H*)-pyrimidinyl)-4,6-*O*-[(*R*)-phenylmethylene]-D-altritol



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

Product Information

Description	4-Amino-1-((2*R*,4*aR*',7*R*,8*S*,8*aS*')-8-hydroxy-2-phenylhexahydropyrano[3,2-d][1,3]dioxin-7-yl)pyrimidin-2(1*H*)-one is an antiviral active nucleoside containing a pyrimidine ring and a dioxin ring.
Molecular Weight	345.35
Molecular Formula	$C_{17}H_{19}N_3O_5$
IUPAC Name	1-[(2*R*,4*aR*',7*R*,8*S*,8*aS*')-8-Hydroxy-2-phenyl-4,4a,6,7,8,8a-hexahydropyrano[3,2-d][1,3]dioxin-7-yl]-4-aminopyrimidin-2-one
InChI	InChI=1S/C17H19N3O5/c18-13-6-7-20(17(22)19-13)11-8-23-12-9-24-16(25-15(12)14(11)21)10-4-2-1-3-5-10/h1-7,11-12,14-16,21H,8-9H2,(H2,18,19,22)/t11-,12-,14+,15-,16-/m1/s1
InChI Key	WRNPUDZQHDYTNX-HUHANWACSA-N
Canonical SMILES	C1C(C(C2C(O1)COC(O2)C3=CC=CC=C3)O)N4C=CC(=NC4=O)N
Isomeric SMILES	C1[C@H]([C@@H]([C@H]2[C@H](O1)CO[C@H](O2)C3=CC=CC=C3)O)N4C=CC(=NC4=O)N
Form	Solid
Purity	≥97%
Applications	4-Amino-1-((2*R*,4*aR*',7*R*,8*S*,8*aS*')-8-hydroxy-2-phenylhexahydropyrano[3,2-d][1,3]dioxin-7-yl)pyrimidin-2(1*H*)-one can be used as a candidate compound for novel antibiotics and antiviral drugs.
Storage	Store at -20°C.

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