

Product Information

(2*R*, 3*R*, 4*S*, 5*R*)-2-(4-(Dimethylamino)-5-methylpyrrolo[2', 3':4, 5]pyrrolo[2, 3-*d*]pyrimidin-8(5*H*)-yl)-5-(hydroxymethyl)tetrahydrofuran-3, 4-diol

Cat. No.: X24-03-LY016

Size: 100 mg; 250 mg; 500 mg; 1 g; 5 g; 10 g

CAS Number: 2180983-51-9

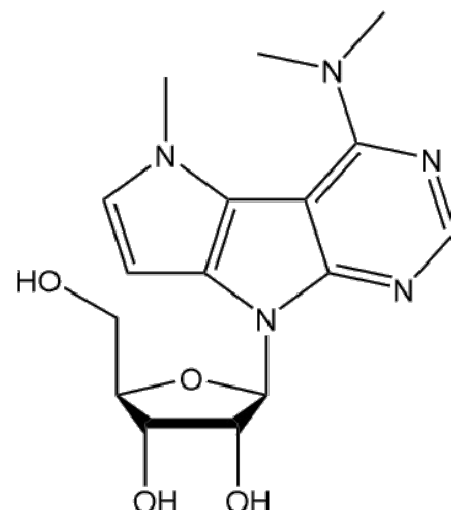
PubChem CID: 134229893

Synonym: (2*R*, 3*R*, 4*S*, 5*R*)-2-[12-(Dimethylamino)-3-methyl-3, 7, 9,

11-tetrazatricyclo[6.4.0.0.2, 6]dodeca-1(8), 2(6), 4, 9,

11-pentaen-7-yl]-5-(hydroxymethyl)oxolane-3, 4-diol

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



Product Information

Description	(2 <i>R</i> , 3 <i>R</i> , 4 <i>S</i> , 5 <i>R</i>)-2-(4-(Dimethylamino)-5-methylpyrrolo[2', 3':4, 5]pyrrolo[2, 3- <i>d</i>]pyrimidin-8(5 <i>H</i>)-yl)-5-(hydroxymethyl)tetrahydrofuran-3, 4-diol is a modified nucleoside with antiviral activity.
Molecular Weight	347.37
Molecular Formula	C ₁₆ H ₂₁ N ₅ O ₄
IUPAC Name	(2 <i>R</i> , 3 <i>R</i> , 4 <i>S</i> , 5 <i>R</i>)-2-[12-(Dimethylamino)-3-methyl-3, 7, 9, 11-tetrazatricyclo[6.4.0.0.2, 6]dodeca-1(8), 2(6), 4, 9, 11-pentaen-7-yl]-5-(hydroxymethyl)oxolane-3, 4-diol
InChI	InChI=1S/C16H21N5O4/c1-19(2)14-10-11-8(4-5-20(11)3)21(15(10)18-7-17-14)16-13(24)12(23)9(6-22)25-16/h4-5, 7, 9, 12-13, 16, 22-24H, 6H2, 1-3H3/t9-, 12-, 13-, 16-/m1/s1
InChI Key	GIPKLNHAZHJMS-RVXWVPLUSA-N
Canonical SMILES	CN1C=CC2=C1C3=C(N2C4C(C(C(O4)CO)O)O)N=CN=C3N(C)C
Isomeric SMILES	CN1C=CC2=C1C3=C(N2[C@H]4[C@@H]([C@@H]([C@H](O4)CO)O)O)N=CN=C3N(C)C
Form	White to off-white solid
Purity	≥98%
Applications	(2 <i>R</i> , 3 <i>R</i> , 4 <i>S</i> , 5 <i>R</i>)-2-(4-(Dimethylamino)-5-methylpyrrolo[2', 3':4, 5]pyrrolo[2, 3- <i>d</i>]pyrimidin-8(5 <i>H</i>)-yl)-5-(hydroxymethyl)tetrahydrofuran-3, 4-diol can be used as drug candidate compounds for drug research and development.
Storage	Store at -20°C.



Safety Information

Personal Protective Equipment Gloves, eyeshields, N95 mask
