

Product Information

7-Deaza-2'-deoxyinosine

Cat. No.: X24-03-LY027

Size: 1 g; 5 g; 10 g; 25 g

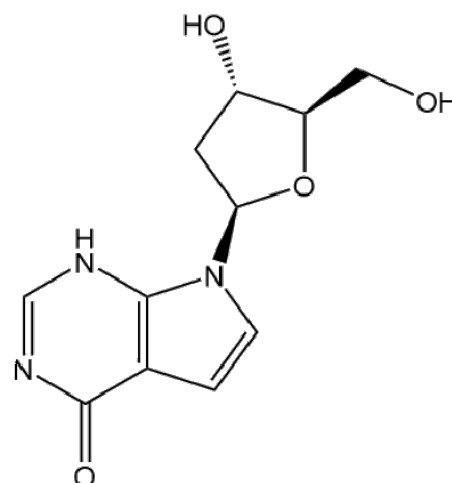
CAS Number: 97224-58-3

PubChem CID: 136674918

Synonym: 97224-58-3; 7-[(2*R*, 4*S*,

5*R*)-4-Hydroxy-5-(hydroxymethyl)oxolan-2-yl]-3*H*-pyrrolo[2, 3-*d*]pyrimidin-4-one

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



Product Information

Description	7-Deaza-2'-deoxyinosine is a pyrimidine analog that treats viral infections by inhibiting viral replication.
Molecular Weight	251.24
Molecular Formula	C ₁₁ H ₁₃ N ₃ O ₄
IUPAC Name	7-[(2 <i>R</i> , 4 <i>S</i> , 5 <i>R</i>)-4-Hydroxy-5-(hydroxymethyl)oxolan-2-yl]-3 <i>H</i> -pyrrolo[2, 3- <i>d</i>]pyrimidin-4-one
InChI	InChI=1S/C11H13N3O4/c15-4-8-7(16)3-9(18-8)14-2-1-6-10(14)12-5-13-11(6)17/h1-2, 5, 7-9, 15-16H, 3-4H2, (H, 12, 13, 17)/t7-, 8+, 9+/m0/s1
InChI Key	DLWAVFIOUHJFFQ-DJLDLDEBSA-N
Canonical SMILES	C1C(C(OC1N2C=CC3=C2N=CNC3=O)CO)O
Isomeric SMILES	C1[C@@H]([C@H](O[C@H]1N2C=CC3=C2N=CNC3=O)CO)O
Form	White to off-white solid
Purity	≥98%
Applications	7-Deaza-2'-deoxyinosine slows the progression of viral infections by stopping viral proliferation by inhibiting viral RNA transcription.
Storage	Store at -20°C.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
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