CD BioGlyco
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

2'-Amino-2'-deoxyuridine

Cat. No.: X24-03-LY034

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

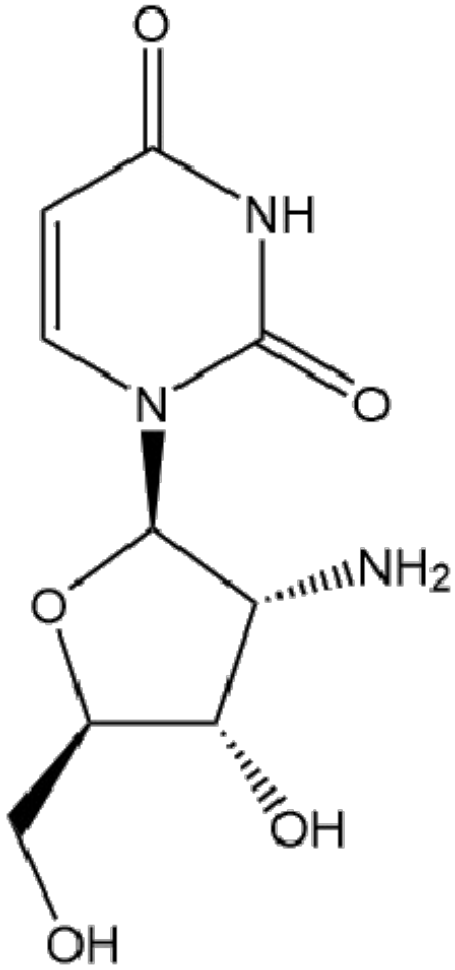
MDL: MFCD01317284

CAS Number: 26889-39-4

PubChem CID: 6482479

Synonym: 26889-39-4; 2'-NH2-dU; 1-[(2*R*, 3*R*, 4*S*, 5*R*)-3-Amino-4-hydroxy-5-(hydroxymethyl)oxolan-2-yl]-1, 2, 3, 4-tetrahydropyrimidine-2, 4-dione

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



Product Information

Description	2'-Amino-2'-deoxyuridine is a derivative of deoxyuridine having an amino group attached to the 2' position of the deoxyribose ring.
Molecular Weight	243.22
Molecular Formula	$C_9H_{13}N_3O_5$
IUPAC Name	1-[(2*R*, 3*R*, 4*S*, 5*R*)-3-Amino-4-hydroxy-5-(hydroxymethyl)oxolan-2-yl]pyrimidine-2, 4-dione
InChI	InChI=1S/C9H13N3O5/c10-6-7(15)4(3-13)17-8(6)12-2-1-5(14)11-9(12)16/h1-2, 4, 6-8, 13, 15H, 3, 10H2, (H, 11, 14, 16)/t4-, 6-, 7-, 8-/m1/s1
InChI Key	LLIPTMWIZVIUSX-XVFCMESISA-N
Canonical SMILES	C1=CN(C(=O)NC1=O)C2C(C(C(O2)CO)O)N
Isomeric SMILES	C1=CN(C(=O)NC1=O)[C@H]2[C@@H]([C@@H]([C@H](O2)CO)O)N

CD BioGlyco
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Form	White to off-white solid
Purity	≥98%
Applications	2'-Amino-2'-deoxyuridine can be used to synthesize modified DNA for studying the effects of DNA modification on gene expression and protein interactions.
Storage	Store at -20°C.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
Hazard Statements	H302-H315-H319-H335