

Product Information

Azido modified nucleoside 3'-N3-ddC

Cat. No.: X24-08-LY004

Size: 50 mg; 100 mg; 250 mg; 500 mg

CAS Number: 84472-89-9

Compound CID: 451374

Synonym: 84472-89-9; Cytidine, 3'-azido-2',3'-dideoxy-; 3'-Azido-ddC; AzddCyd;

3'-Azido-2',3'-dideoxycytidine; 3'-Azido-2'-deoxy-D-cytidine;

4-Amino-1-[(2*R*,4*S*,5*S*)-4-azido-5-(hydroxymethyl)oxolan-2-yl]pyrimidin-2-one;

4-Amino-1-[(2*R*,4*S*,5*S*

)-4-azido-5-(hydroxymethyl)tetrahydrofuran-2-yl]pyrimidin-2-one;

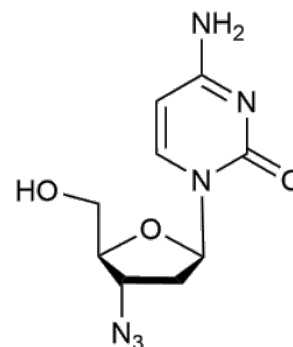
2',3'-Dideoxy-3'-azidocytidine;

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

)-4-

Azido-5-(hydroxymethyl)tetrahydrofuran-2-yl)-4-imino-3,4-dihydropyrimidin-2(1*H*)-one

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



Product Information

Description	3'-N3-ddC is an azido modified nucleoside that has an N3 nitro group in its molecular structure.
Molecular Weight	252.23
Molecular Formula	C ₉ H ₁₂ N ₆ O ₃
IUPAC Name	4-Amino-1-[(2 <i>R</i> ,4 <i>S</i> ,5 <i>S</i>)-4-azido-5-(hydroxymethyl)oxolan-2-yl]pyrimidin-2-one
InChI	InChI=1S/C9H12N6O3/c10-7-1-2-15(9(17)12-7)8-3-5(13-14-11)6(4-16)18-8/h1-2,5-6,8,16H,3-4H2,(H2,10,12,17)/t5-,6+,8+/m0/s1
InChI Key	YIEFKLOVIROQIL-SHYZEUOFSAN
Canonical SMILES	C1C(C(OC1N2C=CC(=NC2=O)N)CO)N=[N+]=[N-]
Isomeric SMILES	C1[C@@H]([C@H](O[C@H]1N2C=CC(=NC2=O)N)CO)N=[N+]=[N-]
Form	Off-white to yellow powder
Purity	≥98%, determined by HPLC.
Applications	3'-N3-ddC plays an important role in the development of antiviral drugs.
Storage	Store at 4°C.



Safety Information

Personal Protective Equipment Gloves, eyeshields, N95 mask
