

## Product Information

### *N*-(3-(4-Amino-1-((2*R*, 5*S*)-5-(hydroxymethyl)tetrahydrofuran-2-yl)-2-oxo-1,2-dihydropyrimidin-5-yl)prop-2-yn-1-yl)-2, 2, 2-trifluoroacetamide

**Cat. No.:** X24-03-LY048

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

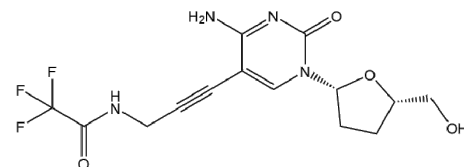
**CAS Number:** 114748-58-2

**PubChem CID:** 14630106

**Synonym:** 114748-58-2; 5-TFA-AP-ddC; 2',

3'-Dideoxy-5-[3-[(trifluoroacetyl)amino]-1-propynyl]-cytidine

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



#### Product Information

<b>Description</b>	<i>N</i> -(3-(4-Amino-1-((2 <i>R</i> , 5 <i>S</i> )-5-(hydroxymethyl)tetrahydrofuran-2-yl)-2-oxo-1,2-dihydropyrimidin-5-yl)prop-2-yn-1-yl)-2, 2, 2-trifluoroacetamide is a modified nucleoside.
<b>Molecular Weight</b>	360.29
<b>Molecular Formula</b>	C <sub>14</sub> H <sub>15</sub> F <sub>3</sub> N <sub>4</sub> O <sub>4</sub>
<b>IUPAC Name</b>	<i>N</i> -[3-[4-Amino-1-[(2 <i>R</i> , 5 <i>S</i> )-5-(hydroxymethyl)oxolan-2-yl]-2-oxopyrimidin-5-yl]prop-2-ynyl]-2, 2, 2-trifluoroacetamide
<b>InChI</b>	InChI=1S/C14H15F3N4O4/c15-14(16, 17)12(23)19-5-1-2-8-6-21(13(24)20-11(8)18)10-4-3-9(7-22)25-10/h6, 9-10, 22H, 3-5, 7H2, (H, 19, 23)(H2, 18, 20, 24)/t9-, 10+/m0/s1
<b>InChI Key</b>	SINWQMVIWQGNFM-VHSXEESVSA-N
<b>Canonical SMILES</b>	C1CC(OC1CO)N2C=C(C(=NC2=O)N)C#CCNC(=O)C(F)(F)F
<b>Isomeric SMILES</b>	C1C[C@@H](O[C@@H]1CO)N2C=C(C(=NC2=O)N)C#CCNC(=O)C(F)(F)F
<b>Form</b>	White to off-white solid
<b>Purity</b>	≥97%
<b>Applications</b>	<i>N</i> -(3-(4-Amino-1-((2 <i>R</i> , 5 <i>S</i> )-5-(hydroxymethyl)tetrahydrofuran-2-yl)-2-oxo-1,2-dihydropyrimidin-5-yl)prop-2-yn-1-yl)-2, 2, 2-trifluoroacetamide can be used to synthesize biologically active compounds such as antibiotics and anti-cancer drugs.
<b>Storage</b>	Store at -20°C.

#### Safety Information



**Personal Protective  
Equipment**      Gloves, eyeshields, N95 mask

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