

## Product Information

### 3'-dC(Bz)-2'-phosphor amidite

**Cat. No.:** X24-03-LY685

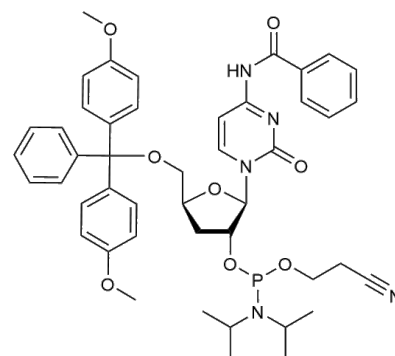
**Size:** 1 g; 5 g; 10 g; 25 g

**CAS Number:** 157327-96-3

**Compound CID:** 15333719

**Synonym:** 157327-96-3; *N*-[1-[(2*R*,3*R*,5*S*

)-5-[[Bis(4-methoxyphenyl)-phenylmethoxy]methyl]-3-[2-cyanoethoxy-[di(propan-2-yl)amino]phosphanyl]oxyoxolan-2-yl]-2-oxopyrimidin-4-yl]benzamide



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

#### Product Information

<b>Description</b>	3'-dC(Bz)-2'-Phosphor amidite is a halogen-modified nucleoside.
<b>Molecular Weight</b>	833.91
<b>Molecular Formula</b>	C <sub>46</sub> H <sub>52</sub> N <sub>5</sub> O <sub>8</sub> P
<b>IUPAC Name</b>	<i>N</i> -[1-[(2 <i>R</i> ,3 <i>R</i> ,5 <i>S</i> )-5-[[Bis(4-methoxyphenyl)-phenylmethoxy]methyl]-3-[2-cyanoethoxy-[di(propan-2-yl)amino]phosphanyl]oxyoxolan-2-yl]-2-oxopyrimidin-4-yl]benzamide
<b>InChI</b>	InChI=1S/C46H52N5O8P/c1-32(2)51(33(3)4)60(57-29-13-27-47)59-41-30-40(58-44(41)50-28-26-42(49-45(50)53)48-43(52)34-14-9-7-10-15-34)31-56-46(35-16-11-8-12-17-35,36-18-22-38(54-5)23-19-36)37-20-24-39(55-6)25-21-37/h7-12,14-26,28,32-33,40-41,44H,13,29-31H2,1-6H3,(H,48,49,52,53)/t40-,41+,44+,60?/m0/s1
<b>InChI Key</b>	QRUYOSQSJHNNHF-UOMJVLHSA-N
<b>Canonical SMILES</b>	CC(C)N(C(C)C)P(OCCC#N)OC1CC(OC1N2C=CC(=NC2=O)NC(=O)C3=CC=CC=C3)COC(C4=CC=CC=C4)(C5=CC=C(C=C5)OC)C6=CC=C(C=C6)OC
<b>Isomeric SMILES</b>	CC(C)N(C(C)C)P(OCCC#N)O[C@@H]1C[C@H](O[C@H]1N2C=CC(=NC2=O)NC(=O)C3=CC=CC=C3)COC(C4=CC=CC=C4)(C5=CC=C(C=C5)OC)C6=CC=C(C=C6)OC
<b>Form</b>	Solid
<b>Purity</b>	≥98%
<b>Applications</b>	3'-dC(Bz)-2'-Phosphor amidite can be used to synthesize oligonucleotides with specific structures and functions.
<b>Storage</b>	Store at -20°C.