

## Product Information

### N6-Bz-A-(S)-GNA phosphoramidite

**Cat. No.:** X23-11-ZQ677

**Size:** 10 mg; 100 mg; 500 mg; 1 g; 10 g

**CAS Number:** 851050-24-3

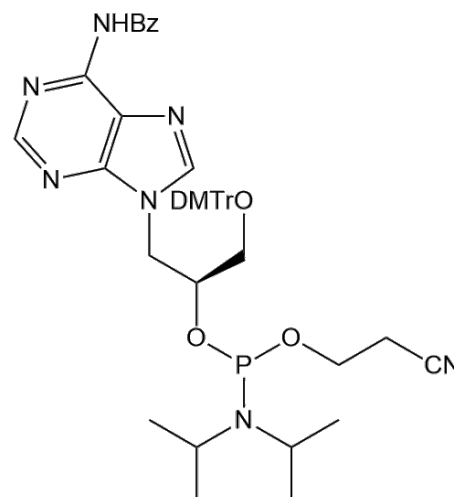
**PubChem CID:** 102511305

**Synonym:** 851050-24-3; (S)-GNA-A(Bz)-phosphoramidite; EX-A7174D; BP-29979;

*N*-Benzoyl-9-[(S

)-2-[[[(diisopropylamino)(2-cyanoethoxy)phosphino]oxy]-3-[(4,4'-dimethoxytrityl)oxy]propyl]-9*H*-purine-6-amine

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



#### Product Information

<b>Molecular Weight</b>	815.9
<b>Molecular Formula</b>	C <sub>45</sub> H <sub>50</sub> N <sub>7</sub> O <sub>6</sub> P
<b>IUPAC Name</b>	<i>N</i> -[9-[(2 <i>S</i> )-3-[Bis(4-methoxyphenyl)-phenylmethoxy]-2-[2-cyanoethoxy-[di(propan-2-yl)amino]phosphanyl]oxypropyl]purin-6-yl]benzamide
<b>InChI</b>	InChI=1S/C45H50N7O6P/c1-32(2)52(33(3)4)59(57-27-13-26-46)58-40(28-51-31-49-41-42(47-30-48-43(41)51)50-44(53)34-14-9-7-10-15-34)29-56-45(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/h7-12,14-25,30-33,40H,13,27-29H2,1-6H3,(H,47,48,50,53)/t40-,59?/m0/s1
<b>InChI Key</b>	RHPZFMWWZNRHHT-MXHUVDEASA-N
<b>Canonical SMILES</b>	CC(C)N(C(C)C)P(OCCC#N)OC(CN1C=NC2=C(N=CN=C21)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](CN1C=NC2=C(N=CN=C21)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>	White to off-white powder
<b>Purity</b>	≥98%
<b>Impurities</b>	≤0.2%
<b>Applications</b>	N6-Bz-A-(S)-GNA phosphoramidite has good rheological properties and can be used to synthesize polymer compounds, such as rubber.
<b>Storage</b>	Store at -20°C.



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