

Product Information

N2-*i*Bu-G-(S)-GNA phosphoramidite

Cat. No.: X23-11-ZQ680

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

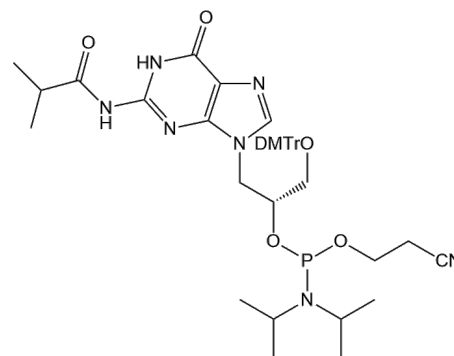
CAS Number: 182625-68-9

PubChem CID: 136859130

Synonym: 182625-68-9; (S)-GNA-G(*i*Bu) phosphoramidite;

N2-Isobutyryl-(S)-1-(4,4'-dimethoxytrityl)-3-Guanosine-2-cyanoethyl phosphoramidite

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



Product Information

Molecular Weight	797.89
Molecular Formula	C ₄₂ H ₅₂ N ₇ O ₇ P
IUPAC Name	<i>N</i> -[9-[(2 <i>S</i>)-3-[Bis(4-methoxyphenyl)-phenylmethoxy]-2-[2-cyanoethoxy-[di(propan-2-yl)amino]phosphanyl]oxypropyl]-6-oxo-1 <i>H</i> -purin-2-yl]-2-methylpropanamide
InChI	InChI=1S/C42H52N7O7P/c1-28(2)39(50)46-41-45-38-37(40(51)47-41)44-27-48(38)25-36(56-57(55-24-12-23-43)49(29(3)4)30(5)6)26-54-42(31-13-10-9-11-14-31,32-15-19-34(52-7)20-16-32)33-17-21-35(53-8)22-18-33/h9-11,13-22,27-30,36H,12,24-26H2,1-8H3,(H2,45,46,47,50,51)/t36-,57?/m0/s1
InChI Key	GOUPKQZMFOWLOW-AUNMUFMCSA-N
Canonical SMILES	CC(C)C(=O)NC1=NC2=C(C(=O)N1)N=CN2CC(COC(C3=CC=CC=C3)(C4=CC=C(C=C4)OC)C5=C(C=C(C5)OC)OP(N(C(C)C)C(C)C)OCCC#N
Isomeric SMILES	CC(C)C(=O)NC1=NC2=C(C(=O)N1)N=CN2C[C@@H](COC(C3=CC=CC=C3)(C4=CC=C(C=C4)OC)C5=CC=C(C=C5)OC)OP(N(C(C)C)C(C)C)OCCC#N
Form	White to off-white powder
Purity	≥98%
Impurities	≤0.2%
Applications	N2- <i>i</i> Bu-G-(S)-GNA phosphoramidite is used as a pharmaceutical intermediate.
Storage	Store at -20°C.