

Product Information

(2R, 3S, 5R)-2-((Bis(4-methoxyphenyl)(phenyl)methoxy)methyl)-5-(2, 4-dioxo-5-(3-(2, 2, 2-trifluoroacetamido)prop-1-yn-1-yl)-3, 4-dihydropyrimidin-1(2H)-yl)tetrahydrofuran-3-yl (2-cyanoethyl) diisopropylphosphoramidite

Cat. No.: X24-03-LY087

Size: 10 mg; 25 mg; 50 mg; 100 mg

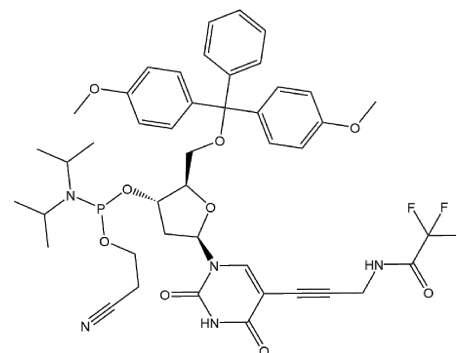
CAS Number: 120016-98-0

PubChem CID: 14184828

Synonym: 120016-98-0; 5-TFA-ap-dU phosphoramidite; *N*-[3-[1-[(2R, 4S, 5R

)-5-[[Bis(4-methoxyphenyl)-phenylmethoxy]methyl]-4-[2-cyanoethoxy-[di(propan-2-yl)amino]phosphanyl]oxyoxolan-2-yl]-2, 4-dioxopyrimidin-5-yl]prop-2-ynyl]-2, 2, 2-trifluoroacetamide

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



Product Information

Description	(2R, 3S, 5R)-2-((Bis(4-methoxyphenyl)(phenyl)methoxy)methyl)-5-(2, 4-dioxo-5-(3-(2, 2, 2-trifluoroacetamido)prop-1-yn-1-yl)-3, 4-dihydropyrimidin-1(2H)-yl)tetrahydrofuran-3-yl (2-cyanoethyl) diisopropylphosphoramidite is a phosphate ester with potent biological activity.
Molecular Weight	879.86
Molecular Formula	C ₄₄ H ₄₉ F ₃ N ₅ O ₉ P
IUPAC Name	<i>N</i> -[3-[1-[(2R, 4S, 5R)-5-[[Bis(4-methoxyphenyl)-phenylmethoxy]methyl]-4-[2-cyanoethoxy-[di(propan-2-yl)amino]phosphanyl]oxyoxolan-2-yl]-2, 4-dioxopyrimidin-5-yl]prop-2-ynyl]-2, 2, 2-trifluoroacetamide
InChI	InChI=1S/C44H49F3N5O9P/c1-29(2)52(30(3)4)62(59-25-11-23-48)61-37-26-39(51-27-31(40(53)50-42(51)55)12-10-24-49-41(54)44(45, 46)47)60-38(37)28-58-43(32-13-8-7-9-14-32, 33-15-19-35(56-5)20-16-33)34-17-21-36(57-6)22-18-34/h7-9, 13-22, 27, 29-30, 37-39H, 11, 24-26, 28H2, 1-6H3, (H, 49, 54)(H, 50, 53, 55)/t37-, 38+, 39+, 62?/m0/s1
InChI Key	RFMRPWLCRWMIEK-OOJPWNKJSA-N
Canonical SMILES	CC(C)N(C(C)C)P(OCCC#N)OC1CC(OC1COC(C2=CC=CC=C2)(C3=CC=C(C=C3)OC)C4=CC=C(C=C4)OC)N5C=C(C(=O)NC5=O)C#CCNC(=O)C(F)(F)F

Isomeric SMILES	<chem>CC(C)N(C(C)C)P(OCCC#N)O[C@H]1C[C@@H](O[C@@H]1COC(C2=CC=CC=C2)(C3=CC=C(C=C3)OC)C4=CC=C(C=C4)OC)N5C=C(C(=O)NC5=O)C#CCNC(=O)C(F)(F)F</chem>
Form	White to off-white solid
Purity	≥98%
Applications	(2 <i>R</i> , 3 <i>S</i> , 5 <i>R</i>)-2-((Bis(4-methoxyphenyl)(phenyl)methoxy)methyl)-5-(2, 4-dioxo-5-(3-(2, 2, 2-trifluoroacetamido)prop-1-yn-1-yl)-3, 4-dihydropyrimidin-1(2 <i>H</i>)-yl)tetrahydrofuran-3-yl (2-cyanoethyl) diisopropylphosphoramidite is commonly used as phosphodiesterase inhibitor.
Storage	Store at -20°C.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
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