

## Product Information

### **(E)-3-(1-((2R, 4S, 5R)-5-((Bis(4-methoxyphenyl)(phenyl)methoxy)methyl)-4-hydroxytetrahydrofuran-2-yl)-2, 4-dioxo-1, 2, 3, 4-tetrahydropyrimidin-5-yl)-N-(6-(2, 2, 2-trifluoroacetamido)hexyl)acrylamide**

**Cat. No.:** X24-03-LY045

**Size:** 100 mg; 250 mg; 500 mg; 1 g; 5 g

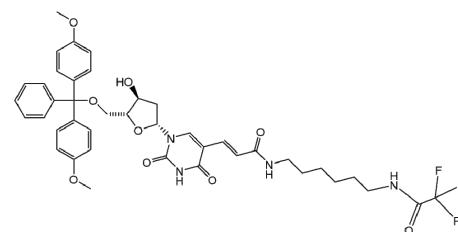
**CAS Number:** 252337-59-0

**PubChem CID:** 15484915

**Synonym:** 252337-59-0;

(5'-O-(Dimethoxytrityl)-5-[N

-(6-(trifluoroacetamido)hexyl)-3-(E)-acrylamido]-2'-deoxyuridine)



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

### Product Information

<b>Description</b>	(E)-3-(1-((2R, 4S, 5R)-5-((Bis(4-methoxyphenyl)(phenyl)methoxy)methyl)-4-hydroxytetrahydrofuran-2-yl)-2, 4-dioxo-1, 2, 3, 4-tetrahydropyrimidin-5-yl)-N-(6-(2, 2, 2-trifluoroacetamido)hexyl)acrylamide is a TFA-modified nucleoside containing tetracycline and acrylamide groups in its structure.
<b>Molecular Weight</b>	794.81
<b>Molecular Formula</b>	C <sub>41</sub> H <sub>45</sub> F <sub>3</sub> N <sub>4</sub> O <sub>9</sub>
<b>IUPAC Name</b>	(E)-3-[1-[(2R, 4S, 5R)-5-[[Bis(4-methoxyphenyl)-phenylmethoxy]methyl]-4-hydroxyoxolan-2-yl]-2, 4-dioxopyrimidin-5-yl]N[6-[(2, 2, 2-trifluoroacetyl)amino]hexyl]prop-2-enamide
<b>InChI</b>	InChI=1S/C41H45F3N4O9/c1-54-31-17-13-29(14-18-31)40(28-10-6-5-7-11-28, 30-15-19-32(55-2)20-16-30)56-26-34-33(49)24-36(57-34)48-25-27(37(51)47-39(48)53)12-21-35(50)45-22-8-3-4-9-23-46-38(52)41(42, 43)44/h5-7, 10-21, 25, 33-34, 36, 49H, 3-4, 8-9, 22-24, 26H2, 1-2H3, (H, 45, 50)(H, 46, 52)(H, 47, 51, 53)/b21-12+/t33-, 34+, 36+/m0/s1
<b>InChI Key</b>	FHJKJNOZOPKQQQ-JFYNCNQLSA-N
<b>Canonical SMILES</b>	COC1=CC=C(C=C1)C(C2=CC=CC=C2)(C3=CC=C(C=C3)OC)OCC4C(CC(O4)N5C=C(C(=O)NC5=O)C=CC(=O)NCCCCCNC(=O)C(F)(F)F)O
<b>Isomeric SMILES</b>	COC1=CC=C(C=C1)C(C2=CC=CC=C2)(C3=CC=C(C=C3)OC)OC[C@@H]4[C@H](C[C@@H](O4)N5C=C(C(=O)NC5=O)/C=C/C(=O)NCCCCCNC(=O)C(F)(F)F)O

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<b>Form</b>	White to off-white solid
<b>Purity</b>	≥98%
<b>Applications</b>	( <i>E</i> )-3-(1-((2 <i>R</i> , 4 <i>S</i> , 5 <i>R</i> )-5-((Bis(4-methoxyphenyl)(phenyl)methoxy)methyl)-4-hydroxytetrahydrofuran-2-yl)-2, 4-dioxo-1, 2, 3, 4-tetrahydropyrimidin-5-yl)- <i>N</i> -(6-(2, 2, 2-trifluoroacetamido)hexyl)acrylamide has potential antitumor activity and inhibits tumor growth by interfering with the proliferation and metastasis of tumor cells.
<b>Storage</b>	Store at -20°C.

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### Safety Information

<b>Personal Protective Equipment</b>	Gloves, eyeshields, N95 mask
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