

Product Information

LTX-315, Purity $\geq 98\%$

Cat. No.: X24-09-YM1362

Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 1345407-05-7

Compound CID: 46200994

Synonym: 1345407-05-7; LTX315; LTX 315;

(2S)-2,6-Diamino-N-[(2S)-6-amino-1-[[[(2S)-1-[[[(2S)-1-[[[(2S)-

)-6-amino-1-[[[(2S)-6-amino-1-[[[(2S)-1-[[[(2S)-1-[[[(2S)-

)-1,6-diamino-1-oxohexan-2-yl]amino]-1-oxo

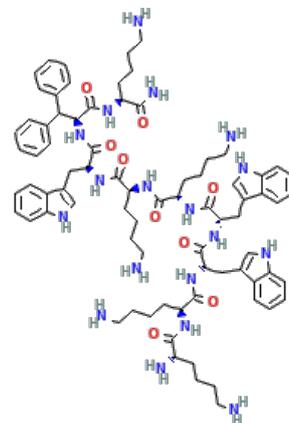
-3,3-diphenylpropan-2-yl]amino]-3-(1H

-indol-3-yl)-1-oxopropan-2-yl]amino]-1-oxohexan-2-yl]amino]-1-oxohexan-2-yl]amino]-

3-(1H

-indol-3-yl)-1-oxopropan-2-yl]amino]-3-(1H

-indol-3-yl)-1-oxopropan-2-yl]amino]-1-oxohexan-2-yl]hexanamide



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

Product Information

Description	LTX-315, soluble in water and ethanol, is the oncolytic peptide that kills cancer cells. The molecular weight of the compound is 1439.79, and its molecular formula is $C_{78}H_{106}N_{18}O_9$.
Molecular Weight	1439.79
Molecular Formula	$C_{78}H_{106}N_{18}O_9$
IUPAC Name	(2S)-2,6-Diamino-N-[(2S)-6-amino-1-[[[(2S)-1-[[[(2S)-1-[[[(2S)-6-amino-1-[[[(2S)-)-6-amino-1-[[[(2S)-1-[[[(2S)-1-[[[(2S)-1-[[[(2S)-)-1,6-diamino-1-oxohexan-2-yl]amino]-1-oxo -3,3-diphenylpropan-2-yl]amino]-3-(1H -indol-3-yl) -1-oxopropan-2-yl]am ino]-1-oxohexan-2-yl]amino]-1-oxohexan-2- yl]amino]-3-(1H-indol-3-yl)-1-oxopropan-2-yl]amino]-3-(1H -indol-3-yl)-1-oxopropan-2-yl]amino]-1-oxohexan-2-yl]hexanamide
InChI	InChI=1S/C78H106N18O9/c79-38-18-13-30-57(84)71(98)90-62(35-15-20-40-81)73(100)93-66(44-5 2-47-87-59-32-11-8-28-55(52)59)76(103)95-65(43-51-46-86-58-31-10-7-27-54(51)58)75(102)92-63(36-16-21-41-82)72(99)91-64(37-17-22-42-83)74(101)94-67(45-53-48-88-60-33-12-9-29-56(53)60)77



(104)96-69(78(105)89-61(70(85)97)34-14-19-39-80)68(49-23-3-1-4-24-49)50-25-5-2-6-26-50/h1-12, 23-29,31-33,46-48,57,61-69,86-88H,13-22,30,34-45,79-84H2,(H2,85,97)(H,89,105)(H,90,98)(H,91,99)(H,92,102)(H,93,100)(H,94,101)(H,95,103)(H,96,104)/t57-,61-,62-,63-,64-,65-,66-,67-,69-/m0/s1

InChI Key	GGAKLYWEFZCVIT-TVEKFXMRSA-N
Canonical SMILES	<chem>C1=CC=C(C=C1)C(C2=CC=CC=C2)C(C(=O)NC(CCCCN)C(=O)N)NC(=O)C(CC3=CNC4=CC=CC=C43)NC(=O)C(CCCCN)NC(=O)C(CCCCN)NC(=O)C(CC5=CNC6=CC=CC=C65)NC(=O)C(CC7=CN C8=CC=CC=C87)NC(=O)C(CCCCN)NC(=O)C(CCCCN)N</chem>
Isomeric SMILES	<chem>C1[C@@H]([C@@H]2[C@H](O1)[C@@H](CO2)O[N+](=O)[O-])O</chem>
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : Water: 97 mg/mL (67.37 mM); Ethanol: <1 mg/mL
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	LTX-315 plays a key role in increasing immunogenicity in tumor cells, leading to enhanced anti-tumor immune responses.
Storage	Store at -20°C, and keep desiccated.