

Product Information

Proteasome inhibitor MG-115, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ721

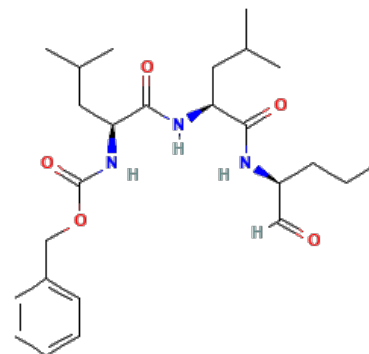
Size: 5 mg; 10 mg; 50 mg

CAS Number: 133407-86-0

Compound CID: 9868928

Synonym: 133407-86-0; Proteasome inhibitor; Carbobenzoxy-L-leucyl-L-leucyl-L-norvalinal; Z-LL-Nva-CHO

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



Product Information

Description	MG-115 interferes with the proteasome's ability to degrade proteins, thereby disrupting cellular processes in cancer cells, particularly multiple myeloma.
Molecular Weight	461.59
Molecular Formula	C ₂₅ H ₃₉ N ₃ O ₅
IUPAC Name	Benzyl <i>N</i> -[(2 <i>S</i>)-4-methyl-1-[[[(2 <i>S</i>)-4-methyl-1-oxo-1-[[[(2 <i>S</i>)-1-oxopentan-2-yl]amino]pentan-2-yl]amino]-1-oxopentan-2-yl]carbamate
InChI	InChI=1S/C25H39N3O5/c1-6-10-20(15-29)26-23(30)21(13-17(2)3)27-24(31)22(14-18(4)5)28-25(32)33-16-19-11-8-7-9-12-19/h7-9,11-12,15,17-18,20-22H,6,10,13-14,16H2,1-5H3,(H,26,30)(H,27,31)(H,28,32)/t20-,21-,22-/m0/s1
InChI Key	QEJRGURBLQWEOU-FKBYEOEOSA-N
Canonical SMILES	CCCC(C=O)NC(=O)C(CC(C)C)NC(=O)C(CC(C)C)NC(=O)OCC1=CC=CC=C1
Isomeric SMILES	CCC[C@@H](C=O)NC(=O)[C@H](CC(C)C)NC(=O)[C@H](CC(C)C)NC(=O)OCC1=CC=CC=C1
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	MG-115 is used in research that explores proteasome inhibition, aiding studies in cancer and neurodegenerative diseases.



Storage

Store at -20°C, and keep desiccated.
