



Product Information

Integrin inhibitor, BIO-1211, Purity $\geq 98\%$

Cat. No.: X24-08-YM304

Size: 1 mg; 2 mg; 5 mg; 10 mg

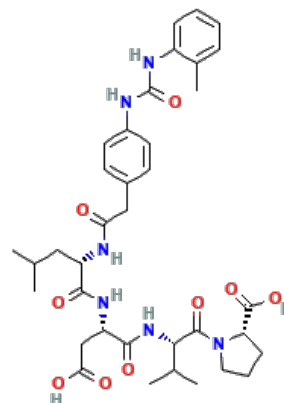
MDL: MFCD02259692

CAS Number: 187735-94-0

Compound CID: 9961766

Synonym: 187735-94-0; BIO1211; BIO 1211;

(2S)-1-[(2S)-2-[[[(2S)-3-Carboxy-2-[[[(2S)-4-methyl-2-[[2-[4-[(2-methylphenyl)carbamoylamino]phenyl]acetyl]amino]pentanoyl]amino]propanoyl]amino]-3-methylbutanoyl]pyrrolidine-2-carboxylic acid



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

Product Information

Description	BIO-1211 is an effective cytoskeleton inhibitor, that has the ability to prevent the pathway of cytoskeletal signaling by inhibiting integrin. It targets the $\alpha 4 \beta 1$ and $\alpha 4 \beta 7$.
Molecular Weight	708.81
Molecular Formula	$C_{36}H_{48}N_6O_9$
Targets	$\alpha 4 \beta 1$: 4 nM (IC_{50}); $\alpha 4 \beta 7$: 2 μ M (IC_{50})
IUPAC Name	(2S)-1-[(2S)-2-[[[(2S)-3-Carboxy-2-[[[(2S)-4-methyl-2-[[2-[4-[(2-methylphenyl)carbamoylamino]phenyl]acetyl]amino]pentanoyl]amino]propanoyl]amino]-3-methylbutanoyl]pyrrolidine-2-carboxylic acid
InChI	InChI=1S/C36H48N6O9/c1-20(2)17-26(38-29(43)18-23-12-14-24(15-13-23)37-36(51)40-25-10-7-6-9-22(25)5)32(46)39-27(19-30(44)45)33(47)41-31(21(3)4)34(48)42-16-8-11-28(42)35(49)50/h6-7,9-10,12-15,20-21,26-28,31H,8,11,16-19H2,1-5H3,(H,38,43)(H,39,46)(H,41,47)(H,44,45)(H,49,50)(H2,37,40,51)/t26-,27-,28-,31-/m0/s1
InChI Key	IKZACQMAVUIGPY-HOTGVXAUSA-N
Canonical SMILES	<chem>C1C(C(=O)NC1COC2=CC=C(C(=C2)C3=CC=C(C(=C3)C(=N)N)CC(=O)O</chem>
Isomeric SMILES	<chem>C1[C@H](C(=O)N[C@@H]1COC2=CC=C(C(=C2)C3=CC=C(C(=C3)C(=N)N)CC(=O)O</chem>
Form	Lyophilized powder
Purity	$\geq 98\%$
Titer	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects



Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	BIO-1211 is a cytoskeletal signaling inhibitor that plays a key role in tumor angiogenesis and metastasis, making it relevant for cancer research.
Storage	Store at -20°C, and keep desiccated.
