CD BioGlyco
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
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Product Information

BQ-123

Cat. No.: X23-12-YM980

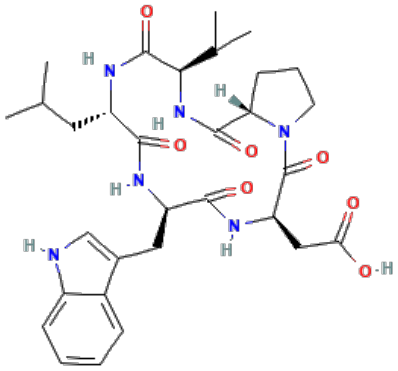
Size: 2 mg; 5 mg; 10 mg; 20 mg

CAS Number: 136553-81-6

Compound CID: 443289

Synonym: 136553-81-6; Cyclo(D-trp-D-asp-pro-D-val-leu)

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



Product Information

Description	BQ-123, soluble in DMSO and ethanol and insoluble in water, inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins. It targets endothelin A receptor.
Molecular Weight	610.7
Molecular Formula	$C_{31}H_{42}N_6O_7$
Targets	Endothelin A receptor: 7.3 nM
IUPAC Name	2-[(3*R*,6*R*,9*S*,12*R*,15*S*)-6-(1*H*-Indol-3-ylmethyl)-9-(2-methylpropyl)-2,5,8,11,14-pentaoxo-12-propan-2-yl-1,4,7,10,13-pentazabicyclo[13.3.0]octadecan-3-yl]acetic acid
InChI	InChI=1S/C31H42N6O7/c1-16(2)12-21-27(40)33-22(13-18-15-32-20-9-6-5-8-19(18)20)28(41)35-23(14-25(38)39)31(44)37-11-7-10-24(37)29(42)36-26(17(3)4)30(43)34-21/h5-6,8-9,15-17,21-24,26,32H,7,10-14H2,1-4H3,(H,33,40)(H,34,43)(H,35,41)(H,36,42)(H,38,39)/t21-,22+,23+,24-,26+/m0/s1
InChI Key	VYCMAAOURFJIHD-PJNXIOHISA-N
Canonical SMILES	CC(C)CC1C(=O)NC(C(=O)NC(C(=O)N2CCCC2C(=O)NC(C(=O)N1)C(C)C)CC(=O)O)CC3=CNC4=CC=CC=C43
Isomeric SMILES	CC(C)C[C@H]1C(=O)N[C@@H](C(=O)N[C@@H](C(=O)N2CCC[C@H]2C(=O)N[C@@H](C(=O)N1)C(C)C)CC(=O)O)CC3=CNC4=CC=CC=C43
Form	Lyophilized powder
Purity	>98%
Solubility	DMSO: 87 mg/mL (142.45 mM); Water: insoluble; Ethanol: 13 mg/mL (21.29 mM)
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.

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Applications	BQ-123 can be used for its ability to block endothelin receptors.
Storage	Store at -20°C, and keep desiccated.