



Product Information

JNK-c-Jun inhibitor JIP-1 (153-163), Purity ≥98%

Cat. No.: X23-10-ZQ945

Size: 1 mg; 2 mg; 5 mg; 10 mg; 25 mg

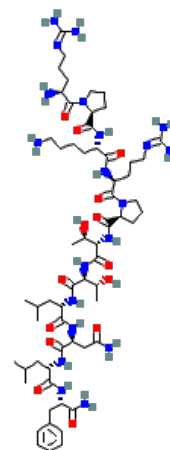
CAS Number: 438567-88-5

Compound CID: 90479803

Synonym: TI-JIP; 438567-88-5; AKOS024456670; PD079064; S-438567-88-5; JNK-c-

Jun inhibitor

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



Product Information

Description	JIP-1 (153-163) is an inhibitor of c-jun N-terminal kinase (JNK) signaling.
Molecular Weight	1341.6
Molecular Formula	C ₆₁ H ₁₀₄ N ₂₀ O ₁₄
IUPAC Name	(2S)-2-[[[(2S)-2-[[[(2S,3R)-2-[[[(2S,3R)-2-[[[(2S)-1-[(2S)-2-[[[(2S)-6-Amino-2-[[[(2S)-1-[(2S)-2-amino-5-(diaminomethylideneamino)pentanoyl]pyrrolidine-2-carbonyl]amino]hexanoyl]amino]-5-(diaminomethylideneamino)pentanoyl]pyrrolidine-2-carbonyl]amino]-3-hydroxybutanoyl]amino]-3-hydroxybutanoyl]amino]-4-methylpentanoyl]amino]-N-[(2S)-1-[[[(2S)-1-amino-1-oxo-3-phenylpropan-2-yl]amino]-4-methyl-1-oxopentan-2-yl]butanediamide
InChI	InChI=1S/C61H104N20O14/c1-32(2)28-41(51(87)74-40(49(65)85)30-36-16-8-7-9-17-36)75-53(89)43(31-46(64)84)76-52(88)42(29-33(3)4)77-56(92)47(34(5)82)79-57(93)48(35(6)83)78-55(91)45-22-15-27-81(45)59(95)39(20-13-25-71-61(68)69)73-50(86)38(19-10-11-23-62)72-54(90)44-21-14-26-80(44)58(94)37(63)18-12-24-70-60(66)67/h7-9,16-17,32-35,37-45,47-48,82-83H,10-15,18-31,62-63H2,1-6H3,(H2,64,84)(H2,65,85)(H,72,90)(H,73,86)(H,74,87)(H,75,89)(H,76,88)(H,77,92)(H,78,91)(H,79,93)(H4,66,67,70)(H4,68,69,71)/t34-,35-,37+,38+,39+,40+,41+,42+,43+,44+,45+,47+,48+/m1/s1
InChI Key	BWQKOFMNWAKES-QHYOMBHZSA-N
Canonical SMILES	CC(C)CC(C(=O)NC(CC1=CC=CC=C1)C(=O)N)NC(=O)C(CC(=O)N)NC(=O)C(CC(C)C)NC(=O)C(C(C)O)NC(=O)C(C(C)O)NC(=O)C2CCCN2C(=O)C(CCCN=C(N)N)NC(=O)C(CCCCN)NC(=O)C3CCCN3C(=O)C(CCCN=C(N)N)N
Isomeric SMILES	C[C@H]([C@@H](C(=O)N[C@@H]([C@@H](C)O)C(=O)N[C@@H](CC(C)C)C(=O)N[C@@H](CC(=O)N)C(=O)N[C@@H](CC(C)C)C(=O)N[C@@H](CC1=CC=CC=C1)C(=O)N)NC(=O)[C@@H]2CCCN2C(=O)[C@H](CCCN=C(N)N)NC(=O)[C@H](CCCN)NC(=O)[C@@H]3CCCN3C(=O)[C@H](CCCN=C(N)N)N)O



Form	Lyophilized powder
Purity	≥98%
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	JIP-1 (153-163) can be applied to study inhibition of JNK signaling pathways by disrupting protein-protein interactions.
Storage	Store at -20°C.
