

Product Information

JNK-c-Jun inhibitor c-JUN peptide, Purity ≥98%

Cat. No.: X23-10-ZQ946

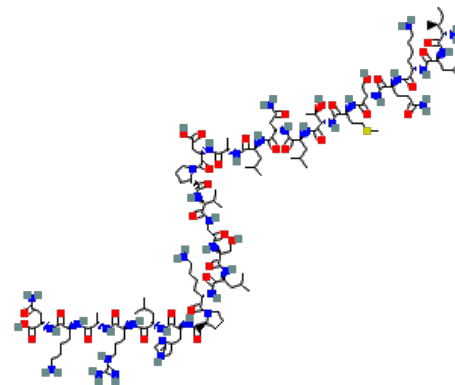
Size: 1 mg; 2 mg; 5 mg; 10 mg; 25 mg

CAS Number: 610273-01-3

Compound CID: 90488732

Synonym: 610273-01-3; c-JUN peptide; AKOS024456894; PD079238; JNK-c-Jun inhibitor

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



Product Information

Description	c-JUN peptide is an inhibitor of c-jun N-terminal kinase (JNK) signaling.
Molecular Weight	2743.55
Molecular Formula	$C_{121}H_{210}N_{36}O_{34}S$
IUPAC Name	(2S)-4-Amino-2-[[[(2S)-6-amino-2-[[[(2S)-2-[[[(2S)-2-[[[(2S)-2-[[[(2S)-1-[(2S)-6-amino-2-[[[(2S)-2-[[[(2S)-2-[[2-[[[(2S)-2-[[[(2S)-1-[(2S)-2-[[[(2S)-2-[[[(2S)-2-[[[(2S)-4-amino-2-[[[(2S)-2-[[[(2S,3R)-2-[[[(2S)-2-[[[(2S)-2-[[[(2S)-5-amino-2-[[[(2S)-6-amino-2-[[[(2S)-2-[[[(2S,3S)-2-amino-3-methylpentanoyl]amino]-4-methylpentanoyl]amino]hexanoyl]amino]-5-oxopentanoyl]amino]-3-hydroxypropanoyl]amino]-4-methylsulfanylbutanoyl]amino]-3-hydroxybutanoyl]amino]-4-methylpentanoyl]amino]-4-oxobutanoyl]amino]-4-methylpentanoyl]amino]propanoyl]amino]-3-carboxypropanoyl]pyrrolidine-2-carbonyl]amino]-3-methylbutanoyl]amino]acetyl]amino]-3-hydroxypropanoyl]amino]-4-methylpentanoyl]amino]hexanoyl]pyrrolidine-2-carbonyl]amino]-3-(1H-imidazol-4-yl)propanoyl]amino]-4-methylpentanoyl]amino]-5-carbamimidamidopentanoyl]amino]propanoyl]amino]hexanoyl]amino]-4-oxobutanoic acid
InChI	InChI=1S/C121H210N36O34S/c1-19-65(14)94(128)115(185)149-79(48-62(8)9)106(176)139-71(30-21-24-39-123)100(170)141-73(35-36-89(125)161)102(172)153-86(57-159)112(182)142-74(37-44-19-2-18)103(173)155-96(68(17)160)117(187)150-80(49-63(10)11)108(178)147-82(51-90(126)162)110(180)144-76(45-59(2)3)104(174)136-67(16)98(168)151-83(53-93(165)166)119(189)157-43-28-34-88(157)114(184)154-95(64(12)13)116(186)133-55-92(164)137-85(56-158)111(181)146-78(47-61(6)7)107(177)143-75(31-22-25-40-124)118(188)156-42-27-33-87(156)113(183)148-81(50-69-54-131-58-134-69)109(179)145-77(46-60(4)5)105(175)140-72(32-26-41-132-121(129)130)99(169)135-66(15)97(167)138-70(29-20-23-38-122)101(171)152-84(120(190)191)52-91(127)163/h54,58-68,70-88,94-96,158-160H,19-53,55-57,122-124,128H2,1-18H3,(H2,125,161)(H2,126,162)(H2,127,163)(H,131,134)(H,133,186)(H,135,169)(H,136,174)(H,137,164)(H,138,167)(H,139,176)(H,140,175)(H,141,170)(H,1



42,182)(H,143,177)(H,144,180)(H,145,179)(H,146,181)(H,147,178)(H,148,183)(H,149,185)(H,150,187)(H,151,168)(H,152,171)(H,153,172)(H,154,184)(H,155,173)(H,165,166)(H,190,191)(H4,129,130,132)/t65-,66-,67-,68+,70-,71-,72-,73-,74-,75-,76-,77-,78-,79-,80-,81-,82-,83-,84-,85-,86-,87-,88-,94-,95-,96-/m0/s1

InChI Key	OVPPMIXGVMXSNS-CLIBVNCNSA-N
Canonical SMILES	<chem>CCC(C)C(C(=O)NC(CC(C)C)C(=O)NC(CCCCN)C(=O)NC(CCC(=O)N)C(=O)NC(CO)C(=O)NC(CCS C)C(=O)NC(C(C)O)C(=O)NC(CC(C)C)C(=O)NC(CC(=O)N)C(=O)NC(CC(C)C)C(=O)NC(C)C(=O)NC (CC(=O)O)C(=O)N1CCCC1C(=O)NC(C(C)C)C(=O)NCC(=O)NC(CO)C(=O)NC(CC(C)C)C(=O)NC(C CCCN)C(=O)N2CCCC2C(=O)NC(CC3=CNC=N3)C(=O)NC(CC(C)C)C(=O)NC(CCCNC(=N)N)C(=O) NC(C)C(=O)NC(CCCCN)C(=O)NC(CC(=O)N)C(=O)O)N</chem>
Isomeric SMILES	<chem>CC[C@H](C)[C@@H](C(=O)N[C@@H](CC(C)C)C(=O)N[C@@H](CCCN)C(=O)N[C@@H](CCC(=O)N)C(=O)N[C@@H](CO)C(=O)N[C@@H](CCSC)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](C)C(=O)N[C@ @H](CC(=O)O)C(=O)N1CCC[C@H]1C(=O)N[C@@H](C(C)C)C(=O)NCC(=O)N[C@@H](CO)C(=O) N[C@@H](CC(C)C)C(=O)N[C@@H](CCCN)C(=O)N2CCC[C@H]2C(=O)N[C@@H](CC3=CNC=N 3)C(=O)N[C@@H](CC(C)C)C(=O)N[C@@H](CCCNC(=N)N)C(=O)N[C@@H](C)C(=O)N[C@@H](CCCCN)C(=O)N[C@@H](CC(=O)N)C(=O)O)N</chem>
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	c-JUN peptide can be used to analyze transcriptional activity regulated by c-JUN by inhibiting its function.
Storage	Store at -20°C.