



Product Information

Bax inhibitor peptide P5, Purity ≥98%

Cat. No.: X23-10-ZQ039

Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 579492-83-4

Compound CID: 10218792

Synonym: 579492-83-4; L-Prolyl-L-methionyl-L-leucyl-L-lysyl-L-glutamic acid;

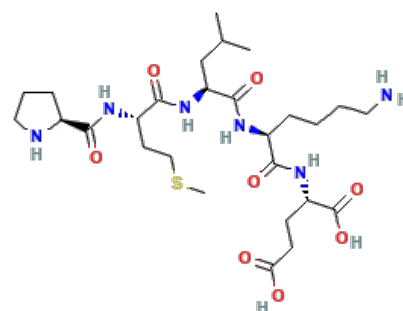
(2S)-2-[[[(2S)-6-Amino-2-[[[(2S)-4-methyl-2-[[[(2S)

)-4-methylsulfanyl-2-[[[(2S)

)-pyrrolidine-2-carbonyl]amino]butanoyl]amino]pentanoyl]amino]hexanoyl]amino]penta

nedioic acid; Bcl-2 inhibitor

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



Product Information

Description	Bax inhibitor peptide P5 specifically inhibits the function of the anti-apoptotic proteins, thereby promoting apoptosis in cancer cells.
Molecular Weight	616.77
Molecular Formula	C ₂₇ H ₄₈ N ₆ O ₈ S
IUPAC Name	(2S)-2-[[[(2S)-6-Amino-2-[[[(2S)-4-methyl-2-[[[(2S)-4-methylsulfanyl-2-[[[(2S)-pyrrolidine-2-carbonyl]amino]butanoyl]amino]pentanoyl]amino]hexanoyl]amino]pentanedioic acid
InChI	InChI=1S/C27H48N6O8S/c1-16(2)15-21(33-25(38)19(11-14-42-3)31-23(36)17-8-6-13-29-17)26(39)30-18(7-4-5-12-28)24(37)32-20(27(40)41)9-10-22(34)35/h16-21,29H,4-15,28H2,1-3H3,(H,30,39)(H,31,36)(H,32,37)(H,33,38)(H,34,35)(H,40,41)/t17-,18-,19-,20-,21-/m0/s1
InChI Key	GAQGZEPUTWPXOG-SXYSDOLCSA-N
Canonical SMILES	CC(C)CC(C(=O)NC(CCCCN)C(=O)NC(CCC(=O)O)C(=O)O)NC(=O)C(CCSC)NC(=O)C1CCCN1
Isomeric SMILES	CC(C)C[C@@H](C(=O)N[C@@H](CCCCN)C(=O)N[C@@H](CCC(=O)O)C(=O)O)NC(=O)[C@H](C CSC)NC(=O)[C@@H]1CCCN1
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

Bax inhibitor peptide P5 can be used to study the inhibition of Bax-mediated apoptosis in cellular research.

Storage

Store at -20°C.
