

Product Information

Dynamin inhibitor, Dynamin inhibitory peptide, Purity ≥98%

Cat. No.: X24-08-YM279

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

CAS Number: 251634-21-6

Compound CID: 90488708

Synonym: 251634-21-6;

(2S)-1-[(2S)-2-[[[(2S)-2-[[[(2S)-4-Amino-2-[[[(2S)-1-[(2S)

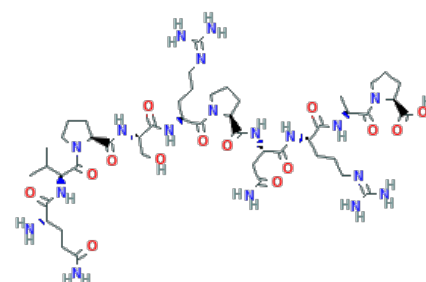
)-5-(diaminomethylideneamino)-2-[[[(2S)-2-[[[(2S)-1-[(2S)-2-[[[(2S)

)-2,5-diamino-5-oxopentanoyl]amino]-3-methylbutanoyl]pyrrolidine-2-carbonyl]amino]-

3-hydroxypropanoyl]amino]pentanoyl]pyrrolidine-2-carbonyl]amino]-4-oxobutanoyl]ami

no]-5-(diaminomethylideneamino)pentanoyl]amino]propanoyl]pyrrolidine-2-carboxylic

acid



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

Product Information

Description	Dynamin inhibitory peptide is an effective cytoskeleton inhibitor, that has the ability to prevent the pathway of cytoskeletal signaling by inhibiting dynamin.
Molecular Weight	1121.25
Molecular Formula	C ₄₇ H ₈₀ N ₁₈ O ₁₄
IUPAC Name	(2S)-1-[(2S)-2-[[[(2S)-2-[[[(2S)-4-Amino-2-[[[(2S)-1-[(2S))-5-(diaminomethylideneamino)-2-[[[(2S)-2-[[[(2S)-1-[(2S)-2-[[[(2S))-2,5-diamino-5-oxopentanoyl]amino]-3-methylbutanoyl]pyrrolidine-2-carbonyl]amino]-3-hydroxyprop anoyl]amino]pentanoyl]pyrrolidine-2-carbonyl]amino]-4-oxobutanoyl]amino]-5-(diaminomethylidenea mino)pentanoyl]amino]propanoyl]pyrrolidine-2-carboxylic acid
InChI	InChI=1S/C47H80N18O14/c1-23(2)35(62-36(69)25(48)14-15-33(49)67)44(77)64-19-7-12-31(64)41(74)61-29(22-66)39(72)59-27(10-5-17-56-47(53)54)43(76)63-18-6-11-30(63)40(73)60-28(21-34(50)68)38(71)58-26(9-4-16-55-46(51)52)37(70)57-24(3)42(75)65-20-8-13-32(65)45(78)79/h23-32,35,66H,4-22,48H2,1-3H3,(H2,49,67)(H2,50,68)(H,57,70)(H,58,71)(H,59,72)(H,60,73)(H,61,74)(H,62,69)(H,78,79)(H4,51,52,55)(H4,53,54,56)/t24-,25-,26-,27-,28-,29-,30-,31-,32-,35-/m0/s1
InChI Key	LHQOQXYEPUSHJL-LNIRUYPRSA-N
Canonical SMILES	CC(C)C(C(=O)N1CCCC1C(=O)NC(CO)C(=O)NC(CCCN=C(N)N)C(=O)N2CCCC2C(=O)NC(CC(=O)N)C(=O)NC(CCCN=C(N)N)C(=O)NC(C)C(=O)N3CCCC3C(=O)O)NC(=O)C(CCC(=O)N)N

Isomeric SMILES	<chem>C[C@@H](C(=O)N1CCC[C@H]1C(=O)O)NC(=O)[C@H](CCCN=C(N)N)NC(=O)[C@H](CC(=O)N)NC(=O)[C@@H]2CCCN2C(=O)[C@H](CCCN=C(N)N)NC(=O)[C@H](CO)NC(=O)[C@@H]3CCCN3C(=O)[C@H](C(C)C)NC(=O)[C@H](CCC(=O)N)N</chem>
Form	Lyophilized powder
Purity	≥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	Dynamin inhibitory peptide is a cytoskeletal signaling inhibitor that can be used for its role of dynamin in these processes and its potential impact on cellular functions and disease mechanisms.
Storage	Store at -20°C, and keep desiccated.
