

Product Information

Somatostatin

Cat. No.: X23-12-YM786

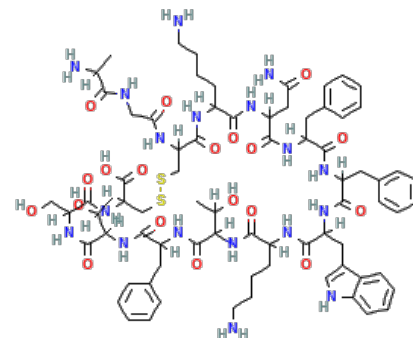
Size: 2 mg; 5 mg; 10 mg; 20 mg

CAS Number: 51110-01-1

Compound CID: 16129681

Synonym: 51110-01-1; Stilamin; Aminopan

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



Product Information

Description	Somatostatin inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins.
Molecular Weight	1637.88
Molecular Formula	C ₇₆ H ₁₀₄ N ₁₈ O ₁₉ S ₂
IUPAC Name	19,34-Bis(4-aminobutyl)-31-(2-amino-2-oxoethyl)-37-[[2-(2-aminopropanoylamino)acetyl]amino]-13,25,28-tribenzyl-10,16-bis(1-hydroxyethyl)-7-(hydroxymethyl)-22-(1H-indol-3-ylmethyl)-6,9,12,15,18,21,24,27,30,33,36-undecaoxo-1,2-dithia-5,8,11,14,17,20,23,26,29,32,35-undecazacyclooctatriacontane-4-carboxylic acid
InChI	InChI=1S/C76H104N18O19S2/c1-41(79)64(100)82-37-61(99)83-58-39-114-115-40-59(76(112)113)92-72(108)57(38-95)91-75(111)63(43(3)97)94-71(107)54(33-46-23-11-6-12-24-46)90-74(110)62(42(2)96)93-66(102)51(28-16-18-30-78)84-69(105)55(34-47-36-81-49-26-14-13-25-48(47)49)88-68(104)53(32-45-21-9-5-10-22-45)86-67(103)52(31-44-19-7-4-8-20-44)87-70(106)56(35-60(80)98)89-65(101)50(85-73(58)109)27-15-17-29-77/h4-14,19-26,36,41-43,50-59,62-63,81,95-97H,15-18,27-35,37-40,77-79H2,1-3H3,(H2,80,98)(H,82,100)(H,83,99)(H,84,105)(H,85,109)(H,86,103)(H,87,106)(H,88,104)(H,89,101)(H,90,110)(H,91,111)(H,92,108)(H,93,102)(H,94,107)(H,112,113)
InChI Key	NHXLMOGPVYXJNR-UHFFFAOYSA-N
Canonical SMILES	CC(C1C(=O)NC(C(=O)NC(C(=O)NC(C(=O)NC(CSSCC(C(=O)NC(C(=O)NC(C(=O)NC(C(=O)NC(C(=O)NC(C(=O)NC(C(=O)N1)CCCCN)CC2=CNC3=CC=CC=C32)CC4=CC=CC=C4)CC5=CC=CC=C5)CC(=O)N)CCCCN)NC(=O)CNC(=O)C(C)N)C(=O)O)CO)C(C)O)CC6=CC=CC=C6)O
Form	Lyophilized powder
Purity	>98%



Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Somatostatin can be studied for its effect on inhibiting the release of pain-related neuropeptides.
Storage	Store at -20°C, and keep desiccated.
