

Product Name : Octreotide acetate

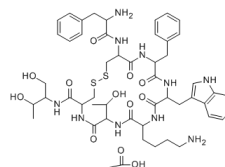
Synonyms : SMS-201995

Cat No. : M15977

CAS Number : 79517-01-4

Molecular Formula : C₅₁H₇₀N₁₀O₁₂S₂

Formula Weight : 1079.29



Chemical Name : L-Cysteinamide, D-phenylalanyl-L-cysteiny-L-phenylalanyl-D-tryptophyl-L-lysyl-L-threonyl-NH-[(1R,2R)-2-hydroxy-1-(hydroxymethyl)propyl]-, cyclic (2→7)-disulfide, acetate (1:)

Description : An octapeptide that mimics natural somatostatin pharmacologically, that is 200 times more potent than somatostatin; has also been shown to produce analgesic effects, most probably acting as a partial agonist at the mu opioid receptor.

Pathway : GPCR/G Protein

Target : Somatostatin Receptor

Receptor : SomatostatinReceptor;Somatostatin

Solubility : DMSO: ≥ 29 mg/mL

SMILES : CC(C1C(=O)NC(CSSCC(C(=O)NC(C(=O)NC(C(=O)NC(C(=O)N1)CCCCN)CC2=CNC3=CC=CC=C32)CC4=CC=CC=C4)NC(=O)C(CC5=CC=CC=C5)N)C(=O)NC(CO)C(C)O)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Maurer R, et al. Proc Natl Acad Sci U S A. 1982 Aug; 79(15):4815-7. 2. Allen MP, et al. Bioorg Med Chem Lett. 2000 Mar 20; 10(6):523-6.