

**Product Name** : Octreotide Acetate (b)

**Synonyms** : —

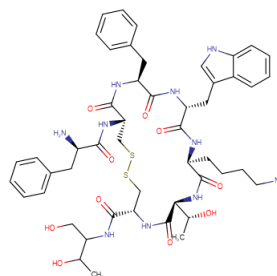
**Cat No.** : M16083

**CAS Number** : 83150-76-9

**Molecular Formula** : C<sub>49</sub>H<sub>66</sub>N<sub>10</sub>O<sub>10</sub>S<sub>2</sub>

**Formula Weight** : 1019.24

**Chemical Name** : —



**Description** : Octreotide is a synthetic long-acting cyclic octapeptide with pharmacologic properties mimicking those of the natural hormone somatostatin. Octreotide is a more potent inhibitor of growth hormone, glucagon, and insulin than somatostatin. Similar to somatostatin, this agent also suppresses the luteinizing hormone response to gonadotropin-releasing hormone, decreases splanchnic blood flow, and inhibits the release of serotonin, gastrin, vasoactive intestinal peptide (VIP), secretin, motilin, pancreatic polypeptide, and thyroid stimulating hormone.

**Pathway** : GPCR/G Protein

**Target** : Somatostatin Receptor

**Receptor** : Somatostatin Receptor

**Solubility** : DMSO: 10 mM

**SMILES** : C[C@H]([C@H]1C(=O)N[C@@H](CSSC[C@H](C(=O)N[C@H](C(=O)N[C@@H](C(=O)N[C@H](C(=O)N1)CCCCN)CC2=CNC3=CC=CC=C3)CC4=CC=CC=C4)NC(=O)[C@H](CC5=CC=CC=C5)N)C(=O)NC(CO)C(C)O)O

**Storage** : (-20°C)

**Stability** : ≥ 2 years

**Reference** :

1. Bronstein MD. Front Horm Res. 2006;35:129-34.