

Product Name : CART (62-76) (rat, human)

Synonyms :

Cat No. : M30706

CAS Number : 210978-19-1

Molecular Formula : C₆₄H₉₉N₁₇O₂₃S₃

Formula Weight : 1570.8

Chemical Name :

Description : Cocaine- and amphetamine-regulated transcript (CART) peptide fragment that inhibits food intake. Attenuates NPY-induced feeding and decreases food intake in food-restricted goldfish, and induces anxiogenic-like effects in elevated plus-maze test in rats. Modulates the activity of striatal noradrenergic, and corticostriatal and hypothalamic serotonergic systems, with no major effect on dopaminergic pathways in rat brain.

Pathway : Endocrinology/Hormones

Target : 5-HT Receptor

Receptor : —

Solubility : 20% acetonitrile / water: 1 mg/mL

SMILES : [H]N[C@@H](CC1=CC=C(O)C=C1)C(=O)NCC(=O)N[C@@H](CCC(N)=O)C(=O)N[C@@H](C(C)C)C(=O)N1CCC[C@H]1C(=O)N[C@@H](CCSC)C(=O)N[C@@H](CS)C(=O)N[C@@H](CC(O)=O)C(=O)N[C@@H](C)C(=O)NCC(=O)N[C@@H](CCC(O)=O)C(=O)N[C@@H](CCC(N)=O)C(=O)N[C@@H](CS)C(=O)N[C@@H](C)C(=O)N[C@@H](C(C)C)C(=O)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Volkoff and Peter (2000) Effects of CART peptides on food consumption, feeding and associated behaviors in the goldfish, *Carassius auratus*: actions on neuropeptide Y- and orexin A-induced feeding. *Brain Res.* 887 125 PMID: