

Product Name	: MCH (human, mouse, rat)
Synonyms	: —
Cat No.	: M22355
CAS Number	: 128315-56-0
Molecular Formula	: C ₁₀₅ H ₁₆₀ N ₃ O ₂₆ S ₄
Formula Weight	: 2386.84
Chemical Name	: —
Description	: Potent endogenous agonist at melanin-concentration hormone (MCH) receptors (IC ₅₀ values are 0.3 and 1.5 nM and EC ₅₀ values are 3.9 and 0.1 nM at MCH1 and MCH2 receptors respectively). Increases food intake in vivo.
Pathway	: GPCR/G Protein
Target	: MCHR
Receptor	: MCH1-R
Solubility	: water: 1 mg/mL
SMILES	: <chem>CSCC[C@H](NC(=O)[C@H](CC(O)=O)NC(=O)[C@H](Cc1ccccc1)NC(=O)[C@@H](N)CC(O)=O)C(=O)N[C@@H](CC(C)C)C(=O)N[C@@H](CCCNC(N)=N)C(=O)N[C@@H](CCCNC(N)=N)C(=O)N[C@@H](C2CCCNC2C(=O)C(=O)N[C@@H](CCCNC(N)=N)NC(=O)[C@@H](Cc2ccc(O)cc2)NC(=O)[C@@H](NC(=O)[C@H](CCCNC(N)=N)NC(=O)CNC(=O)[C@H](CC(C)C)NC(=O)[C@H](CCSC)NC1=O)C(C)C)C(=O)N[C@@H](Cc1c[nH]c2ccccc12)C(=O)N[C@@H](CCC(N)=O)C(=O)N[C@@H](C(C)C)C(=O)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Sailer et al (2001) Identification and characterization of a second melanin-concentrating hormone receptor, MCH-2R. Proc.Natl.Acad.Sci.USA 98 7564