

Data Sheet

Product Name:	Melanin Concentrating Hormone, salmon (TFA)
Cat. No.:	CS-0099514
Molecular Formula:	C ₉₁ H ₁₄₀ F ₃ N ₂₇ O ₂₆ S ₄
Molecular Weight:	2213.50
Target:	MCHR1 (GPR24)
Pathway:	GPCR/G Protein; Neuronal Signaling
Solubility:	10 mM in DMSO

DTMRCMVGRVYRPCWEV (Disulfide bridge: Cys₅-Cys₁₄)



BIOLOGICAL ACTIVITY:

Melanin Concentrating Hormone, salmon TFA (MCH (salmon) TFA) is a 19-amino-acid neuropeptide initially identified in the pituitary gland of teleost fish, which regulates food intake, energy balance, sleep state, and the cardiovascular system. Melanin-concentrating hormone is a ligand for an orphan G protein-coupled receptor (**SLC-1/GPR24**) and **MCHR2**. IC₅₀ & Target: SLC-1/GPR24, MCHR2^[1]

References:

[1]. An S, et al. Identification and characterization of a melanin-concentrating hormone receptor. Proc Natl Acad Sci U S A. 2001 Jun 19;98(13):7576-81. ab Disord. 2002 Oct;26(10):1289-95.

CAIndexNames:

L-Valine, L-α-aspartyl-L-threonyl-L-methionyl-L-arginyl-L-cysteinyl-L-methionyl-L-valylglycyl-L-arginyl-L-valyl-L-tyrosyl-L-arginyl-L-prolyl-L-cysteinyl-L-tryptophyl-L-α-glutamyl-, cyclic (5→14)-disulfide (TFA)

SMILES:

OC(C(F)(F)F)=O.[DTMRCMVGRVYRPCWEV (Disulfide bridge: Cys5-Cys14)]

Caution: Product has not been fully validated for medical applications. For research use only.

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