

Product Data Sheet

Product Name: MCH(human, mouse, rat) TFA

Cat. No.: GC62096

Chemical Properties

Cas. No.

Formula $C_{107}H_{161}F_3N_{30}O_{28}S_4$ M.Wt 2500.86

Solubility DMSO : 100 mg/mL (39.99 mM) Storage Store at -20°C, away from moisture

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

DFDMLRCMLGRVYRPCWQV (Disulfide bridge: Cys₇-Cys₁₆) (TFA salt)

Background

MCH (human, mouse, rat) TFA is a potent peptide agonist of MCH-R and exhibits binding IC₅₀ values of 0.3nM and 1.5 nM for MCH1R and MCH2R, respectively. MCH (human, mouse, rat) is a highly sensitive to MCH-2R in a CHO cell line and monitoring mobilization of intracellular calcium with FLIPR, exhibits functional activation EC₅₀ values of 3.9 nM and 0.1nM for human MCH-1R and MCH-2R, respectively[1].

[1]. A W Sailer, et al. Identification and characterization of a second melanin-concentrating hormone receptor, MCH-2R. Proc Natl Acad Sci U S A. 2001 Jun 19;98(13):7564-9.

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

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