

Product Data Sheet

Product Name: β -Melanocyte Stimulating Hormone (MSH), human TFA

Cat. No.: GC38007

Chemical Properties

Cas. No.

Formula $C_{120}H_{175}F_3N_{34}O_{37}S$

M.Wt 2774.94

Solubility Soluble in DMSO

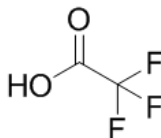
Storage -20°C , protect from light

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

AEKKDEGPYRMEHFRWGSPPKD



Background

β -Melanocyte Stimulating Hormone (MSH), human TFA, a 22-residue peptide, acts as an endogenous melanocortin-4 receptor (MC4-R) agonist[1]. Melanocortin-4 receptor (MC4-R)[1]

β -Melanocyte Stimulating Hormone (MSH), human (β -MSH) has high affinity at both human MC4-R transfected into CHO cells ($K_i=11.4\pm0.4$ nM) and MC4-R in rat hypothalamic homogenates ($K_i=5.0\pm0.4$ nM)[1].

[1]. Harrold JA, et al. beta-MSH: a functional ligand that regulated energy homeostasis via hypothalamic MC4-R• Peptides. 2003 Mar;24(3):397-405.

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

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