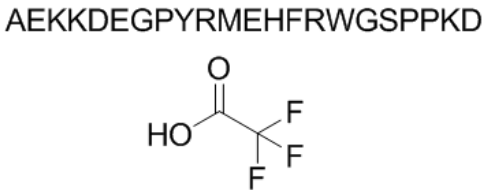
Product Data Sheet

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 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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			



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 (Ki=11.4±0.4 nM) and MC4-R in rat hypothalamic homogenates (Ki=5.0±0.4 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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