

ACTH (1-17) (TFA) (7266-47-9 free base)

Chemical Properties

CAS No. :

Formula: C₉₅H₁₄₅N₂₉O₂₃S.C₂H₅F₃O₂

Molecular Weight: 2207.43

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	ACTH (1-17) TFA is a corticotrophin analogue and an effective human melanocortin 1 (MC1) receptor agonist with Ki value of 0.21 nM.
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Solubility Information

Solubility	H ₂ O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.453 mL	2.2651 mL	4.5302 mL
5 mM	0.0906 mL	0.453 mL	0.906 mL
10 mM	0.0453 mL	0.2265 mL	0.453 mL
50 mM	0.0091 mL	0.0453 mL	0.0906 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Tsatmali M et al. ACTH1-17 is a more potent agonist at the human MC1 receptor than alpha-MSH. Cell Mol Biol (Noisy-le-grand). 1999 Nov;45(7):1029-34.

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