

ACTH 4-11 acetate

Chemical Properties

CAS No. :

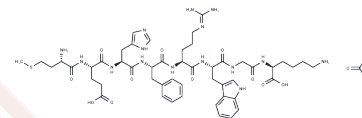
Formula: C52H75N15O13S

Molecular Weight: 1150.31

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 4-11 acetate is an adrenocorticotropin hormone fragment and possesses the same amino acid sequence as α -melanocyte stimulating hormone (MSH) does. ACTH 4-11 acetate exhibits a weak MSH potency only at high doses (100 and 1000 nM).
Targets(IC50)	Others
In vitro	MSH induces the differentiation of mouse epidermal melanocytes in vivo and in vitro while ACTH 4-11 acetate loses almost all activity for the binding to melanocortin receptor 1 (MC1R)[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8693 mL	4.3467 mL	8.6933 mL
5 mM	0.1739 mL	0.8693 mL	1.7387 mL
10 mM	0.0869 mL	0.4347 mL	0.8693 mL
50 mM	0.0174 mL	0.0869 mL	0.1739 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

Hirobe T, et al. ACTH(4-12) is the minimal message sequence required to induce the differentiation of mouse epidermal melanocytes in serum-free primary culture. J Exp Zool. 2000 May 1;286(6):632-40.

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