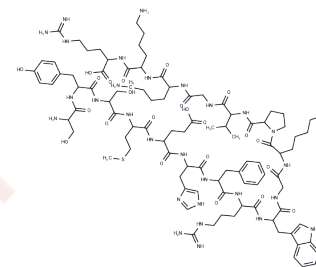


ACTH (1-17)

Chemical Properties

CAS No. :	7266-47-9
Formula:	C95H145N29O23S
Molecular Weight:	2093.41
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	ACTH (1-17), an adrenocorticotropin analogue, is a potent human melanocortin 1 (MC1) receptor agonist with a K_i of 0.21 nM. Adrenocorticotropin hormone (ACTH), also known as corticotropin, is produced and secreted by the anterior pituitary gland.
Targets(IC50)	Melanocortin Receptor

Solubility Information

Solubility	H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4777 mL	2.3884 mL	4.7769 mL
5 mM	0.0955 mL	0.4777 mL	0.9554 mL
10 mM	0.0478 mL	0.2388 mL	0.4777 mL
50 mM	0.0096 mL	0.0478 mL	0.0955 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481