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32-2005: ACTH

Alternative Name : Corticotropin-lipotropin,Pro-opiomelanocortin,POMC,ACTH,LPH,MSH,NPP,POC,CLIP,Tetracosactide.

Description

The Molecular formula of Adrenocorticotropic Hormone is C136H210N40O31S and the molecular weight is 2933.5 Dalton. Adrenocorticotropic hormone, as its name implies, stimulates the adrenal cortex. More specifically, it stimulates secretion of glucocorticoids such as cortisol, and has little control over secretion of aldosterone, the other major steroid hormone from the adrenal cortex. Stimulates secretion of adrenal corticosteroids and induces growth of adrenal cortex. ACTH also called Tetracosactide directly activates G-proteins. A stimulator of adenylate cyclase and cAMP formation.

Product Info

Amount :	10 mg
Purification :	Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	The ACTH hormone was lyophilized with no additives.
Storage condition :	Lyophilized Adrenocorticotropic Hormone although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution ACTH should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Amino Acid :	Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Arg-Pro-Val-Lys-Val-Tyr-Pro-OH.

Application Note

It is recommended to reconstitute the lyophilized ACTH in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.