ACTH [1-24] Peptide

Subcategory: Synthetic Peptide
Cat. No.: 350023
Unit: 1 mg

Description:
Adrenocorticotropic hormone (ACTH), also known as corticotropin, is produced and secreted by the anterior pituitary gland. ACTH is an important component of the hypothalamic-pituitary-adrenal axis as a response to biological stress. ACTH secretion is triggered by the corticotropin-releasing hormone (CRH) released from the hypothalamus, and stimulates the adrenal glands to release corticosteroids such as cortisol. ACTH [1-39] corresponds to full-length ACTH. ACTH [1-24] is conserved across species and is 75% as potent as ACTH. ACTH [1-10] has no ACTH activity but alter blood pressure. ACTH [4-10] has neurological effects.

Format: Each vial contains 1 mg of lyophilized solid packaged under an inert gas and supplied as a trifluoroacetate salt.

Alternate Names: Adrenocorticotropic hormone; ACTH; corticotropin
Accession No.: P01189

MW: 2933.5 g/mol
Composition: C136H210N40O31S
Purity: Purity > 95% by HPLC
Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, aliquot and store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.