
ACTH [4-10] Peptide

Subcategory: Synthetic Peptide

Cat. No.: 350028

Unit: 2 mg

Description:

Adrenocorticotrophic 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: Adrenocorticotrophic hormone; ACTH; corticotropin

Accession No.: P01189

MW: 962.1 g/mol

Sequence: Human: H-Met-Glu-His-Phe-Arg-Trp-Gly-OH or H-MEHFRWG-OH

Composition: C₄₄H₅₉N₁₃O₁₀S₁

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.