

Cat. No.: GC15737

The chemical structure is a long, linear polyether molecule. It features a central phenyl ring (benzene ring) with a long, flexible chain extending from it. The chain is composed of multiple repeating units, each containing an ether linkage (oxygen atom) and a methylene group (CH₂). The chain is terminated by a hydroxyl group (OH) at one end and a methyl group (CH₃) at the other. The overall structure is highly symmetrical and represents a typical polyether compound used in various industrial applications.

www.glpbio.com

Product Data Sheet

adrenocorticotrophic hormone (ACTH) in the anterior pituitary^[3]. CRF can increase the excitability of type II dBNST neurons by activating the AC-cAMP-PKA pathway, thereby causing pain-induced aversion reactions^[4]. The acute central anorectic and hypermetabolic effects of CRF are affected by age and gender^[5].

References:

- [1] Parra Mercado G K. Papel de*-arrestina2 en la seúalización del receptor para el factor liberador de corticotropina tipo 1 (CRF*)[D]. Tesis (MC)--Centro de Investigación y de Estudios Avanzados del IPN Departamento de Bioquímica., 2015.
- [2] De Souza E B, Grigoriadis D E. Corticotropin-releasing factor: Physiology, pharmacology, and role in central nervous system disorders[J]. Neuropsychopharmacology: the fifth generation of progress. Philadelphia: Lippincott, Williams and Wilkins, 2002: 91-107.
- [3] ABOU-SAMRA A B, Harwood J P, Catt K J, et al. Mechanisms of action of CRF and other regulators of ACTH release in pituitary corticotrophs[J]. Annals of the New York Academy of Sciences, 1987, 512(1): 67-84.
- [4] Kaneko T, Kaneda K, Ohno A, et al. Activation of adenylate cyclase-cyclic AMP-protein kinase A signaling by corticotropin-releasing factor within the dorsolateral bed nucleus of the stria terminalis is involved in pain-induced aversion[J]. European Journal of Neuroscience, 2016, 44(11): 2914-2924.
- [5] Tenk J, Rostás I, Füredi N, et al. Acute central effects of corticotropin-releasing factor (CRF) on energy balance: Effects of age and gender[J]. Peptides, 2016, 85: 63-72.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA