Data Sheet (Cat.No.T37111)

TargetMol

Corticotropin-releasing factor (human) (acetate)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Human CRF acetate is a chemical compound that effectively stimulates the synthesis and secretion of adrenocorticotropin in the anterior pituitary.
In vitro	CRF enhances the excitability of type II dlBNST neurons via the activation of the AC-cAMP-PKA pathway, leading to pain-induced aversive responses[1].
In vivo	In rats that received an injection of CRF (1 nmol/side), the duration spent in the drug-paired compartment during the test session (314±22 s) was significantly reduced compared to the time spent in the same compartment during the preconditioning session (520±18 s)[1].

Reference

Kaneko T et al. Activation of adenylate cyclase-cyclic AMP-protein kinase A signaling by corticotropin-releasing factorwithin the dorsolateral bed nucleus of the stria terminalis is involved in pain-induced aversion. Eur J Neurosci. 2016 Sep 30.
Tenk J et al. Acute central effects of corticotropin-releasing factor (CRF) on energy balance: Effects of age and gender. Peptides. 2016 Nov;85:63-72.

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