Data Sheet (Cat.No.T37111)

TargetMol
YOUR TARGET MOLECULES

Corticotropin-releasing factor (human) (acetate)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Appearance: no data available

Storage: keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

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

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