Data Sheet (Cat.No.TP1144L)

TargetMol

Corticotropin-releasing factor (human) acetate

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Store at low temperature,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	Corticotropin-releasing factor (human) acetate stimulates to synthesize and secret adrenocorticotropin in the anterior pituitary.
Targets(IC50)	CRFR
In vitro	Corticotropin-releasing factor (human) acetate caused pain-induced aversive responses through the increase of excitability of type II dlBNST neurons and the activation of the AC-cAMP-PKA pathway[2].
In vivo	The time spent in the drug-paired compartment during the test session (314±22 s) is significantly shorter than the time spent in that compartment during the preconditioning session (520±18 s) in rats injected with Corticotropin-releasing factor (human) acetate (1 nmol/side)[2].

Reference

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.
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.

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