

## Antisauvagine-30

## Chemical Properties

CAS No. : 220673-95-0

Formula: C161H274N48O46S

Molecular Weight: 3650.29

(D-Phe)-HLLRKMIEIEKQEKEKQQAANNRLLLDTI-NH2

Keep away from moisture

Storage: 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	Potent, selective and competitive corticotropin-releasing factor CRF2 receptor antagonist (Kd values are 1.4 and 153.6 nM for binding to mouse CRF2 $\beta$ and rat CRF1 receptors respectively). Inhibits sauvagine-stimulated cAMP accumulation in HEK-mCRF2 $\beta$ cells (pA2 = 8.49). Prevents stress-enhanced fear conditioning and MEK 1/2-dependent activation of ERK1/2 in mice in vivo.
Targets(IC50)	CRFR

## Solubility Information

Solubility	H2O: 1 mg/mL (0.27 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.274 mL	1.3698 mL	2.7395 mL
5 mM	0.0548 mL	0.274 mL	0.5479 mL
10 mM	0.0274 mL	0.137 mL	0.274 mL
50 mM	0.0055 mL	0.0274 mL	0.0548 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Brauns et al (2001) Pharmacological and chemical properties of astressin, antisauvagine-30 and  $\alpha$ -helCRF: significance for behavioral experiments. Neuropharmacology 41 507 PMID:

Sananbenesi et al (2003) Mitogen-activated protein kinase signaling in the hippocampus and its modulation by corticotropin-releasing factor receptor 2: a possible link between stress and fear memory. J.Neurosci. 23 11436 PMID:

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