

α -Helical CRF(9-41)

Chemical Properties

CAS No. : 90880-23-2

Formula: C166H274N46O53S2

Molecular Weight: 3827

DLTFHLLREMLEMAKAEQAEQAAALNRLLEEA-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	Corticotropin-releasing factor receptor antagonist (Ki values are 17, 5 and 0.97 at human CRF1, rat CRF2 α and mouse CRF2 β receptors respectively).
Targets(IC50)	CRFR

Solubility Information

Solubility	0.1% TFA: 1 mg/mL (0.26 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	0.2613 mL	1.3065 mL	2.613 mL
5 mM	0.0523 mL	0.2613 mL	0.5226 mL
10 mM	0.0261 mL	0.1307 mL	0.2613 mL
50 mM	0.0052 mL	0.0261 mL	0.0523 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

Kask et al (1997) Alpha-helical(9-41) reverts anxiogenic-like effect of NPY Y1 receptor antagonist BIBP3226. NeuroReport 8 3645 PMID:

Perrin and Vale (1999) Corticotropin releasing factor receptors and their ligand family. Ann.N.Y.Acad.Sci. 885 312 PMID:

Swerdlow et al (1989) Potentiation of acoustic startle by corticotropin-releasing factor (CRF) and by fear are both reversed by α -helical CRF (9-41). Neuropsychopharmacology 2 285 PMID:

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