

α-Helical CRF(9-41)

Cat. No.:	HY-P1294	
CAS No.:	90880-23-2	
Molecular Formula:	C ₁₆₆ H ₂₇₄ N ₄₆ O ₅₃ S ₂	
Molecular Weight:	3826.4	DLTFHLLREMLEMAKAEQAEQAALNRLLEEA-NH ₂
Sequence Shortening:	DLTFHLLREMLEMAKAEQAEQAALNRLLEEA-NH ₂	
Target:	CRFR	
Pathway:	GPCR/G Protein	
Storage:	Sealed storage, away from moisture	
	Powder	-80°C 2 years
		-20°C 1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)	

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 50 mg/mL (13.07 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	0.2613 mL	1.3067 mL	2.6134 mL	
		5 mM	0.0523 mL	0.2613 mL	0.5227 mL	
		10 mM	0.0261 mL	0.1307 mL	0.2613 mL	
Please refer to the solubility information to select the appropriate solvent.						

BIOLOGICAL ACTIVITY

Description	α-Helical CRF(9-41) is a competitive CRF2 receptor antagonist with K _B of ~100 nM. α-Helical CRF(9-41) is also a partial agonist of CRF1 receptor with an EC ₅₀ of 140 nM ^{[1][2]} .
IC₅₀ & Target	KB: ~100 nM (CRF2 receptor) ^[2] EC50: 140 nM (CRF1 receptor) ^[2]

REFERENCES

- [1]. Sonia Tucci, et al. Corticotropin releasing factor antagonist, alpha-helical CRF(9-41), reverses nicotine-induced conditioned, but not unconditioned, anxiety. *Psychopharmacology (Berl)*. 2003 May;167(3):251-6.
- [2]. Smart D, et al. Characterisation using microphysiometry of CRF receptor pharmacology. *Eur J Pharmacol*. 1999 Aug 27;379(2-3):229-35.

Caution: Product has not been fully validated for medical applications. For research use only.

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