



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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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
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

DLTFHLLREMLEMAKAEQAEQAALNRLLEEA-NH₂

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

SOLVENT & SOLUBILITY

In Vitro

H₂O : 50 mg/mL (13.07 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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 EC₅₀ 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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