

α-CGRP(human) TFA

Cat. No.:	HY-P1071A
Molecular Formula:	C ₁₆₅ H ₂₆₈ F ₃ N ₅₁ O ₅₁ S ₂
Molecular Weight:	3903.33
Sequence:	Ala-Cys-Asp-Thr-Ala-Thr-Cys-Val-Thr-His-Arg-Leu-Ala-Gly-Leu-Leu-Ser-Arg-Ser-Gly-Gly-Val-Val-Lys-Asn-Asn-Phe-Val-Pro-Thr-Asn-Val-Gly-Ser-Lys-Ala-Phe-NH ₂ (Disulfide bridge: Cys2-Cys7) ACDTATCVTHRLAGLLSRSGGVVKNFVPTNVGSKAF-NH₂ (Disulfide bridge: Cys2-Cys7) (TFA salt)
Sequence Shortening:	ACDTATCVTHRLAGLLSRSGGVVKNFVPTNVGSKAF-NH ₂ (Disulfide bridge: Cys2-Cys7)
Target:	CGRP Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
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

H₂O : 25 mg/mL (6.40 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		0.2562 mL	1.2810 mL	2.5619 mL
	5 mM		0.0512 mL	0.2562 mL	0.5124 mL
	10 mM		---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

α-CGRP(human) TFA is a regulatory neuropeptide of 37 amino acids. α-CGRP(human) is widely distributed in the central and peripheral nervous system. α-CGRP(human) TFA is a potent vasodilator^[1].

REFERENCES

[1]. Ambrish Kumar, et al. Protective Role of α-Calcitonin Gene-Related Peptide in Cardiovascular Diseases. Front Physiol. 2019 Jul 2;10:821.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA