

α-CGRP(human)

Cat. No.:	HY-P1071
CAS No.:	90954-53-3
Molecular Formula:	C ₁₆₃ H ₂₆₇ N ₅₁ O ₄₉ S ₂
Molecular Weight:	3789.31
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)
Sequence Shortening:	ACDTATCVTHRLAGLLSRGGVKNFVPTNVGSKAF-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)

ACDTATCVTHRLAGLLSRGGVKNFVPTNVGSKAF-NH₂
(Disulfide bridge:Cys2-Cys7)

SOLVENT & SOLUBILITY

In Vitro

H₂O : 10 mg/mL (2.64 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.2639 mL	1.3195 mL	2.6390 mL
	5 mM	---	---	---
	10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

α-CGRP(human) is a regulatory neuropeptide of 37 amino acids. α-CGRP(human) is widely distributed in the central and peripheral nervous system. α-CGRP(human) 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.

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