

Calcitonin gene-related peptide free acid

Cat. No.:	HY-P4058	
CAS No.:	83652-28-2	
Molecular Formula:	C ₁₆₃ H ₂₆₆ N ₅₀ O ₅₀ S ₂	Ala-Cys-Asp-Thr-Ala-Thr-Cys-Val-Thr-His-Arg-Leu-Ala-Gly-Leu-Leu-Ser-Arg-Ser-Gly-Gly
Molecular Weight:	3790.31	His-Arg-Leu-Ala-Gly-Leu-Leu-Ser-Arg-Ser-Gly-Gly-Val-Val-Lys-Asn-Asn-Phe
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 (Disulfide Cys2-Cys7)	Val-Pro-Thr-Asn-Val-Gly-Ser-Lys-Ala-Phe (Disulfide Cys2-Cys7)
Sequence Shortening:	ACDTATCVTHRLAGLLSRSGGVKNNFVPTNVGSKAF (Disulfide Cys2-Cys7)	
Target:	Others	
Pathway:	Others	
Storage:	Sealed storage, away from moisture and light, under nitrogen	
	Powder	-80°C 2 years -20°C 1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)	

SOLVENT & SOLUBILITY

In Vitro

H₂O : 25 mg/mL (6.60 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.2638 mL	1.3192 mL	2.6383 mL
	5 mM	0.0528 mL	0.2638 mL	0.5277 mL
	10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

Calcitonin gene-related peptide (CGRP) free acid is a neuropeptide. Calcitonin gene-related peptide can be used for the research of nociception, ingestive behaviour and modulation of the endocrine systems^[1].

REFERENCES

[1]. M G Rosenfeld, Production of a novel neuropeptide encoded by the calcitonin gene via tissue-specific RNA processing. Nature. 1983 Jul;304(5922):129-35.

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

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