

## Calcitonin gene-related peptide

<b>Cat. No.:</b>	HY-P4058
<b>CAS No.:</b>	83652-28-2
<b>Molecular Formula:</b>	C <sub>163</sub> H <sub>266</sub> N <sub>50</sub> O <sub>50</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	3790.31
<b>Sequence:</b>	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)
<b>Sequence Shortening:</b>	ACDTATCVTHRLAGLLSRSGGVKNNFVPTNVGSKAF (Disulfide Cys2-Cys7)
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	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)

ACDTATCVTHRLAGLLSRSGGVKNNFVPTNVGSKAF (Disulfide cys2-cys7)

### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 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) is a neuropeptide. Calcitonin gene-related peptide can be used for the research of nociception, ingestive behaviour and modulation of the endocrine systems<sup>[1]</sup>.

### 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.

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

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