

Proinsulin C-Peptide (55-89), human

Cat. No.:	HY-P1878
CAS No.:	11097-48-6
Molecular Formula:	C ₁₅₃ H ₂₅₉ N ₄₉ O ₅₂
Molecular Weight:	3616.99
Sequence:	Arg-Arg-Glu-Ala-Glu-Asp-Leu-Gln-Val-Gly-Gln-Val-Glu-Leu-Gly-Gly-Gly-Pro-Gly-Ala-Gly-Ser-Leu-Gln-Pro-Leu-Ala-Leu-Glu-Gly-Ser-Leu-Gln-Lys-Arg RREAEDLQVGQVELGGGPGAGSLQPLALEGSLQKR
Sequence Shortening:	RREAEDLQVGQVELGGGPGAGSLQPLALEGSLQKR
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 (6.91 mM)

* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		0.2765 mL	1.3824 mL	2.7647 mL
	5 mM		0.0553 mL	0.2765 mL	0.5529 mL
	10 mM		---	---	---

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

BIOLOGICAL ACTIVITY

Description

Proinsulin C-Peptide (55-89), human is a peptide fragment of the cleavage product of proinsulin^[1].

REFERENCES

[1]. Essid SM, et al. Proinsulin C-Peptide Enhances Cell Survival and Protects against Simvastatin-Induced Myotoxicity in L6 Rat Myoblasts. Int J Mol Sci. 2019 Apr 3;20(7).

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

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