

C5a Anaphylatoxin (human)

Cat. No.:	HY-P4971
CAS No.:	1816940-05-2
Molecular Formula:	C ₃₅₀ H ₅₇₈ N ₁₀₈ O ₁₀₇ S ₈
Molecular Weight:	8267.51
Sequence:	Thr-Leu-Gln-Lys-Lys-Ile-Glu-Glu-Ile-Ala-Ala-Lys-Tyr-Lys-His-Ser-Val-Val-Lys-Lys-Cys-Cys-Tyr-Asp-Gly-Ala-Cys-Val-Asn-Asn-Asp-Glu-Thr-Cys-Glu-Gln-Arg-Ala-Ala-Arg-Ile-Ser-Leu-Gly-Pro-Arg-Cys-Ile-Lys-Ala-Phe-Thr-Glu-Cys-Cys-Val-Val-Ala-Ser-Gln-Leu-Arg-Ala-Asn-Ile-Ser-His-Lys-Asp-Met-Gln-Leu-Gly-Arg (Disulfide bridge: Cys21-Cys47,Cys22-Cys54,Cys34-Cys55)
Sequence Shortening:	TLQKKIEEIAAKYKHSVKKCCYDGACVNNDETCEQRAARISLGPRCIKAFTECCVVASQLRANIS HKDMQLGR (Disulfide bridge: Cys21-Cys47,Cys22-Cys54,Cys34-Cys55)
Target:	Complement System
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

C5a Anaphylatoxin (human) is a pro-inflammatory peptide and a leukocyte chemoattractant. C5a Anaphylatoxin (human) can be used to study inflammation and immunity, such as allergic asthma^{[1][2]}.

REFERENCES

- [1]. Monk PN, et al. Function, structure and therapeutic potential of complement C5a receptors. *Br J Pharmacol*. 2007 Oct;152(4):429-48.
- [2]. Köhl J, et al. A regulatory role for the C5a anaphylatoxin in type 2 immunity in asthma. *J Clin Invest*. 2006 Mar;116(3):783-96.

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

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