

Antiflammin-1

Cat. No.:	HY-P1931
CAS No.:	118850-71-8
Molecular Formula:	C ₄₅ H ₈₂ N ₁₂ O ₁₄ S ₂
Molecular Weight:	1079.33
Sequence:	Met-Gln-Met-Lys-Lys-Val-Leu-Asp-Ser
Sequence Shortening:	MQMKKVLDS
Target:	Interleukin Related
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Antiflammin-1 is an anti-inflammatory peptide 1 (MQMKKVLDS). Antiflammin-1 is a derivative of uteroglobin. Antiflammin-1 has anti-inflammatory and antifibrotic actions in bleomycin (HY-108345)-induced lung injury ^{[1][2][3]} .
IC ₅₀ & Target	IL-1 β
In Vitro	Antiflammin-1 (10 μ M) inhibits the TGF- β 1-induced proliferation of NIH3T3 cells, which was mediated by the uteroglobin receptor ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Antiflammin-1 (2-10 mg/kg, ip, daily, for 6 days) decreases the levels of TNF- α and IL-1 β in bleomycin-treated mice. Antiflammin-1 has anti-inflammatory and antifibrotic actions in bleomycin-induced lung injury ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Liu W, et al. Antiflammin-1 attenuates bleomycin-induced pulmonary fibrosis in mice. *Respir Res.* 2013 Oct 8;14(1):101.
- [2]. Camussi G, et al. Antiinflammatory peptides (antiflammins) inhibit synthesis of platelet-activating factor, neutrophil aggregation and chemotaxis, and intradermal inflammatory reactions. *J Exp Med.* 1990 Mar 1;171(3):913-27.
- [3]. Martínez Leo EE, et al. Biopeptides with antioxidant and anti-inflammatory potential in the prevention and treatment of diabetes disease. *Biomed Pharmacother.* 2016 Oct;83:816-826.

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

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