

Product Data Sheet

Product Name: Alloferon 1

Cat. No.: GC74408

Chemical Properties

Cas. No. 347884-61-1

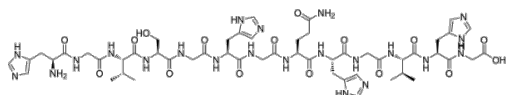
Formula $C_{52}H_{76}N_{22}O_{16}$ M.Wt 1265.3

Solubility H_2O : ≥ 100 mg/mL (79.03 mM); Storage Sealed storage, away from moisture
DMSO : 4.55 mg/mL (3.60 mM; Need and light
ultrasonic)

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Alloferon 1 is an antiviral and antitumoral peptide. Alloferon 1 stimulates natural cytotoxicity of human peripheral blood lymphocytes. Alloferon 1 also induces IFN synthesis, and enhances antiviral and antitumor resistance in mice. Alloferon 1 also shows anti-inflammatory activity in λ -carrageenan-induced paw edema model. Alloferon 1 can be isolated from the blood of the blow fly *Calliphora vicina* (Diptera).

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

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References:

- [1]. Chernysh S, et al. Antiviral and antitumor peptides from insects. Proc Natl Acad Sci U S A. 2002 Oct 1;99(20):12628-32.
- [2]. Zhang X, et al. Alloferon-1 ameliorates acute inflammatory responses in λ -carrageenan-induced paw edema in mice. Sci Rep. 2022 Oct 6;12(1):16689.

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