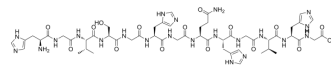


## Alloferon 1

**Cat. No.:** HY-P5581  
**CAS No.:** 347884-61-1  
**Molecular Formula:** C<sub>52</sub>H<sub>76</sub>N<sub>22</sub>O<sub>16</sub>  
**Molecular Weight:** 1265.3  
**Sequence:** His-Gly-Val-Ser-Gly-His-Gly-Gln-His-Gly-Val-His-Gly  
**Sequence Shortening:** HGVSGHGQHGTVHG  
**Target:** Others  
**Pathway:** Others  
**Storage:** Sealed storage, away from moisture and light  
 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)

### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : ≥ 100 mg/mL (79.03 mM)  
 DMSO : 4.55 mg/mL (3.60 mM; Need ultrasonic)  
 \* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.7903 mL	3.9516 mL	7.9033 mL
	5 mM	0.1581 mL	0.7903 mL	1.5807 mL
	10 mM	0.0790 mL	0.3952 mL	0.7903 mL

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

### BIOLOGICAL ACTIVITY

#### Description

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)<sup>[1][2][3]</sup>.

### 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.

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

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