

## Urumin

Cat. No.:	HY-P5550
CAS No.:	2215863-74-2
Molecular Formula:	C <sub>129</sub> H <sub>198</sub> N <sub>42</sub> O <sub>35</sub> S <sub>2</sub>
Molecular Weight:	2961.34
Sequence:	Ile-Pro-Leu-Arg-Gly-Ala-Phe-Ile-Asn-Gly-Arg-Trp-Asp-Ser-Gln-Cys-His-Arg-Phe-Ser-Asn -Gly-Ala-Ile-Ala-Cys-Ala
Sequence Shortening:	IPLRGAFINGRWDSQCHRFSNGAIACA
Target:	Influenza Virus
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Urumin has antiviral activity against the human influenza A virus. Urumin inhibits the growth of PR8 influenza virus (IC<sub>50</sub>: 3.8 μM). Urumin targets the conserved stalk of H1 hemagglutini, and is effective at neutralizing drug-resistant H1 influenza viruses. Urumin protects naive mice from lethal influenza infection<sup>[1]</sup>.

### REFERENCES

[1]. Holthausen DJ, et al. An Amphibian Host Defense Peptide Is Virucidal for Human H1 Hemagglutinin-Bearing Influenza Viruses. *Immunity*. 2017 Apr 18;46(4):587-595.

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

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