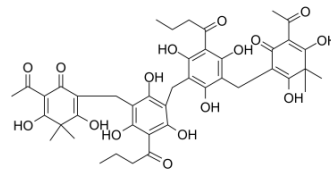


Dryocrassin ABBA

Cat. No.:	HY-N0530
CAS No.:	12777-70-7
Molecular Formula:	C ₄₃ H ₄₈ O ₁₆
Molecular Weight:	820.83
Target:	Influenza Virus; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	Dryocrassin ABBA (Dryocrassin) is a flavonoid natural product derived from <i>Dryopteris crassirhizoma</i> , with antiviral and antibacterial activities ^{[1][2]} . Dryocrassin ABBA exhibits antiviral activity against H5N1 avian influenza virus ^[1] . Dryocrassin ABBA inhibits the coagulase activity of <i>Staphylococcus aureus</i> vWbp ^[3] . Dryocrassin ABBA suppresses immunostimulatory function of dendritic cells and prolongs skin allograft survival ^[4] .
IC ₅₀ & Target	H5N1 avian influenza virus ^[1]

REFERENCES

- [1]. Ou C, et al. Dryocrassin ABBA, a novel active substance for use against amantadine-resistant H5N1 avian influenza virus. *Front Microbiol.* 2015 Jun 16;6:592.
- [2]. Zhang B, et al. Molecular Mechanism of the Flavonoid Natural Product Dryocrassin ABBA against *Staphylococcus aureus* Sortase A. *Molecules.* 2016 Oct 26;21(11).
- [3]. Li B, et al. An Inhibitory Effect of Dryocrassin ABBA on *Staphylococcus aureus* vWbp That Protects Mice From Pneumonia. *Front Microbiol.* 2019 Jan 23;10:7.
- [4]. Fu RH, et al. Dryocrassin suppresses immunostimulatory function of dendritic cells and prolongs skin allograft survival. *Cell Transplant.* 2014;23(4-5):641-56.

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

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