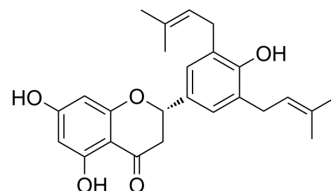


## Abyssinone V

Cat. No.:	HY-N8265
CAS No.:	77263-11-7
Molecular Formula:	C <sub>25</sub> H <sub>28</sub> O <sub>5</sub>
Molecular Weight:	408.49
Target:	HSV; DNA/RNA Synthesis; ATP Synthase
Pathway:	Anti-infection; Cell Cycle/DNA Damage; Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Abyssinone V is a prenylated flavonoid with predicted anti-viral activity. Abyssinone V can be isolated from the stem bark of *Erythrina melanacantha*. Abyssinone V possesses good pharmacodynamics properties. Abyssinone V is predicted to be antivirals including anti-herpes (HSV) agent, with mechanisms comprising inhibition of polymerase, ATPase and membrane integrity<sup>[1][2]</sup>.

### REFERENCES

[1]. Koch K, et al. Abyssinone V, a prenylated flavonoid isolated from the stem bark of *Erythrina melanacantha* increases oxidative stress and decreases stress resistance in *Caenorhabditis elegans*. *J Pharm Pharmacol*. 2019 Jun;71(6):1007-1016.

[2]. Kwofie SK, et al. Identification of novel potential inhibitors of varicella-zoster virus thymidine kinase from ethnopharmacologic relevant plants through an in-silico approach. *J Biomol Struct Dyn*. 2022;40(23):12932-12947.

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

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