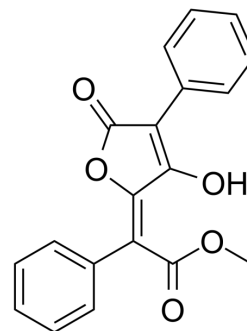


Vulpinic acid

Cat. No.:	HY-125919
CAS No.:	521-52-8
Molecular Formula:	C ₁₉ H ₁₄ O ₅
Molecular Weight:	322.31
Target:	Reactive Oxygen Species; Bacterial; Endogenous Metabolite
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Vulpinic acid, a lichen metabolite, decreases H₂O₂-induced ROS production, oxidative stress and oxidative stress-related damages in human umbilical vein endothelial cells (HUVEC). Vulpinic acid is active against staphylococci, enterococci, and anaerobic bacteria. Vulpinic acid has the potential for atherosclerosis research^{[1][2]}.

REFERENCES

- [1]. E Sahin, et al. Vulpinic acid, a lichen metabolite, emerges as a potential drug candidate in the therapy of oxidative stress-related diseases, such as atherosclerosis. *Hum Exp Toxicol.* 2019 Jun;38(6):675-684.
- [2]. M Lauterwein, et al. In vitro activities of the lichen secondary metabolites vulpinic acid, (+)-usnic acid, and (-)-usnic acid against aerobic and anaerobic microorganisms. *Antimicrob Agents Chemother.* 1995 Nov;39(11):2541-3.

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

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