



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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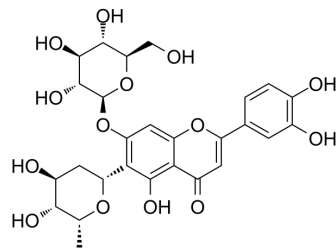
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Farobin A

Cat. No.:	HY-N12743
CAS No.:	1245447-08-8
Molecular Formula:	C ₂₇ H ₃₀ O ₁₄
Molecular Weight:	578.52
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Farobin A is a natural compound with antibacterial, antioxidant and anti-inflammatory activities. Farobin A against <i>Streptococcus mutans</i> ATCC 25175 and <i>Streptococcus sobrinus</i> ATCC 33478. Farobin A shows anti-inflammatory activity on cytokine IL-6 and TNF- α ^[1] .
In Vitro	Farobin A (compound 3) displays moderate antibacterial activity against <i>Streptococcus mutans</i> ATCC 25175 (inhibition rates of 28 %,) and <i>Streptococcus sobrinus</i> ATCC 33478 (inhibition rate of 26 %), at a concentration of 100 μ g/mL ^[1] . In RAW264.7 cells, when the lipopolysaccharide (LPS) (HY-D1056) stimulation concentration is 2463.9 pg/mL and Farobin A is treated at a concentration of 100 μ g/mL, Farobin A decreases IL-6 production to 1051.8 pg/mL. With an LPS stimulation concentration of 14,644.8 pg/mL and the treatment with Farobin A at a concentration of 100 μ g/mL, Farobin A reduces TNF- α production to 9606 pg/mL ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Hui Tan, et al. The discovery of an anti-inflammatory monoterpenoid, neoroseoside from the *Zea mays*. *Bioorg Med Chem Lett*. 2024 Jun 1:105:129737.

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

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