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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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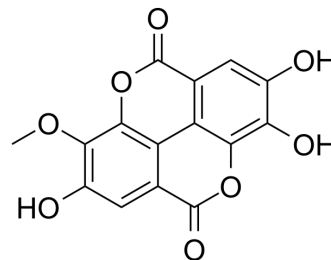
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3-O-Methylelagic acid

| | |
|--------------------|---|
| Cat. No.: | HY-N7430 |
| CAS No.: | 51768-38-8 |
| Molecular Formula: | C ₁₅ H ₈ O ₈ |
| Molecular Weight: | 316.22 |
| Target: | Bacterial |
| Pathway: | Anti-infection |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|---------------------------|---|
| Description | 3-O-Methylelagic acid is a nature product that can be isolated from <i>Myrciaria cauliflora</i> , with anti-inflammatory activity. 3-O-Methylelagic acid shows an inhibitory effect on glucose transport assay. 3-O-Methylelagic acid has antibacterial activity, with a MIC of 32 µg/mL for <i>Staph. Aureus</i> ATCC 25923 ^{[1][2][3]} . |
| IC ₅₀ & Target | MIC: 32 µg/mL (<i>Staph. Aureus</i> ATCC 25923) ^[3] |

REFERENCES

- [1]. Da-Ke Zhao, et al. Jaboticabin and Related Polyphenols from Jaboticaba (*Myrciaria cauliflora*) with Anti-inflammatory Activity for Chronic Obstructive Pulmonary Disease. *J Agric Food Chem.* 2019 Feb 6;67(5):1513-1520.
- [2]. Active compounds from *Lagerstroemia speciosa*, insulin-like glucose uptake-stimulatory/inhibitory and adipocyte differentiation-inhibitory activities in 3T3-L1 cells. *J Agric Food Chem.* 2008 Dec 24;56(24):11668-74.
- [3]. Sgariglia, M. A., et al. Isolation of antibacterial components from infusion of *Caesalpinia paraguariensis* bark. A bio-guided phytochemical study. *Food Chemistry*, 2011. 126(2), 395-404.

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

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