



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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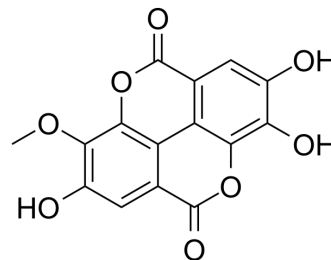
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## 3-O-Methylelagic acid

Cat. No.:	HY-N7430
CAS No.:	51768-38-8
Molecular Formula:	C <sub>15</sub> H <sub>8</sub> O <sub>8</sub>
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 <sup>[1][2][3]</sup> .
IC <sub>50</sub> & Target	MIC: 32 µg/mL ( <i>Staph. Aureus</i> ATCC 25923) <sup>[3]</sup>

### 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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