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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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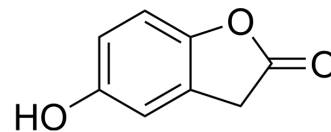
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Homogentisic acid lactone

Cat. No.:	HY-W017445
CAS No.:	2688-48-4
Molecular Formula:	C ₈ H ₆ O ₃
Molecular Weight:	150.13
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Homogentisic acid lactone (Compound 1) is a fungal metabolite with fungicidal activity, which is found in the fungus WF5. Homogentisic acid lactone is active against the plant pathogenic fungus *F. graminearum*. Homogentisic acid lactone can be used as a substrate in the determination of serum paraoxonase/arylesterase 1 (PON1) activity^{[1][2]}.

REFERENCES

- [1]. Mousa WK, et al. Characterization of Antifungal Natural Products Isolated from Endophytic Fungi of Finger Millet (*Eleusine coracana*). *Molecules*. 2016 Sep 3;21(9):1171.
- [2]. Beltowski J, et al. Leptin decreases plasma paraoxonase 1 (PON1) activity and induces oxidative stress: the possible novel mechanism for proatherogenic effect of chronic hyperleptinemia. *Atherosclerosis*. 2003 Sep;170(1):21-9.

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

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