



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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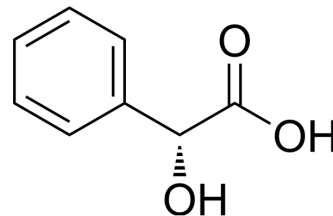
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D-(-)-Mandelic acid (Standard)

Cat. No.:	HY-Y0585R
CAS No.:	611-71-2
Molecular Formula:	C ₈ H ₈ O ₃
Molecular Weight:	152.15
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	D-(-)-Mandelic acid (Standard) is the analytical standard of D-(-)-Mandelic acid. This product is intended for research and analytical applications. D-(-)-Mandelic acid is an orally active alpha hydroxycarboxylic acid that can be isolated from bitter almonds and Indian chestnut trees. It has antioxidant and antibacterial properties and is expected to play an important role in the treatment of rheumatoid arthritis ^{[1][4]} .
IC ₅₀ & Target	IC ₅₀ : 118 µg/ml (DPPH), IC ₅₀ : 242 µg/ml (ABTS)

REFERENCES

- [1]. Zahoor M, et al. Isolation of quercetin and mandelic acid from Aesculus indica fruit and their biological activities. BMC Biochem. 2018 Jun 26;19(1):5.
- [2]. Matejczyk M, et al. The study of biological activity of mandelic acid and its alkali metal salts in wastewaters. Environ Res. 2022 Apr 1;205:112429.
- [3]. Zhang J, et al. Licarin-B Exhibits Activity Against the Toxoplasma gondii RH Strain by Damaging Mitochondria and Activating Autophagy. Front Cell Dev Biol. 2021 Jun 11;9:684393.
- [4]. Abu-Serie MM, et al. Pluronic F127 micelles improve the stability and enhance the anticancer stem cell efficacy of citral in breast cancer. Nanomedicine (Lond). 2021 Jul;16(17):1471-1485.

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

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