



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

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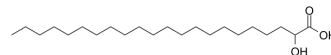
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2-Hydroxydocosanoic acid

Cat. No.:	HY-122790
CAS No.:	13980-14-8
Molecular Formula:	C ₂₂ H ₄₄ O ₃
Molecular Weight:	356.58
Target:	Bacterial
Pathway:	Anti-infection
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



BIOLOGICAL ACTIVITY

Description	2-Hydroxydocosanoic acid has antioxidant, cholinesterase inhibitory, and antimicrobial activities ^[1] .
In Vitro	2-Hydroxydocosanoic acid has an IC ₅₀ of 7.6 µg/mL for DPPH ^[1] . 2-Hydroxydocosanoic acid shows inhibition of the AChE and BChE (IC ₅₀ =68.65 µg/mL and 49.52 µg/mL, respectively) ^[1] . 2-Hydroxydocosanoic acid has MIC value of ≤125, ≤250, and ≤150 µg/mL for E. coli, P. aeruginosa, and S. aureus, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. A Al-Hamoud G, et al. Abubidentin A, New Oleanane-type Triterpene Ester from Abutilon bidentatum and its antioxidant, cholinesterase and antimicrobial activities. PeerJ. 2022;10:e13040. Published 2022 Mar 8.

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

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