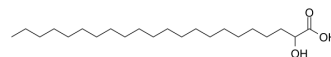


2-Hydroxydocosanoic acid

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:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	2-Hydroxydocosanoic acid has antioxidant, cholinesterase inhibitory, and antimicrobial activities ^[1] .
In Vitro	<p>2-Hydroxydocosanoic acid has an IC₅₀ of 7.6 µg/mL for DPPH^[1].</p> <p>2-Hydroxydocosanoic acid shows inhibition of the AChE and BChE (IC₅₀=68.65 µg/mL and 49.52 µg/mL, respectively) ^[1].</p> <p>2-Hydroxydocosanoic acid has MIC value of ≤125, ≤250, and ≤150 µg/mL for E. coli, P. aeruginosa, and S. aureus, respectively ^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

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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