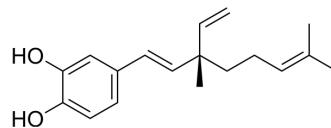


3-Hydroxybakuchiol

Cat. No.:	HY-N1839
CAS No.:	178765-54-3
Molecular Formula:	C ₁₈ H ₂₄ O ₂
Molecular Weight:	272.38
Target:	Apoptosis; Glucosidase
Pathway:	Apoptosis; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

3-Hydroxybakuchiol can be isolated from *Otholobium mexicanum* J. W. Grimes. 3-Hydroxybakuchiol is an electron transport chain (ETC) inhibitor. 3-Hydroxybakuchiol has antitumor activity, and induces tumor cell apoptosis. 3-Hydroxybakuchiol also has moderate inhibitory activity against α -glucosidase (IC₅₀: 345 μ M)^{[1][2]}.

REFERENCES

[1]. Jaña F, et al. Tumor cell death induced by the inhibition of mitochondrial electron transport: the effect of 3-hydroxybakuchiol. *Toxicol Appl Pharmacol*. 2013 Oct 15;272(2):356-64.

[2]. Suárez AI, et al. Main Constituents and Antidiabetic Properties of *Otholobium mexicanum*. *Nat Prod Commun*. 2017 Apr;12(4):533-535.

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

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