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Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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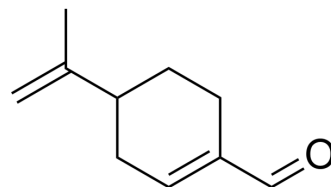
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(±)-Perillaldehyde

Cat. No.:	HY-W753791
CAS No.:	2111-75-3
Molecular Formula:	C ₁₀ H ₁₄ O
Molecular Weight:	150.22
Target:	TNF Receptor; JNK
Pathway:	Apoptosis; MAPK/ERK Pathway
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

(±)-Perillaldehyde has an antidepressant effect by modulating the olfactory nervous system in a mouse model of stress-induced depression. (±)-Perillaldehyde also has anti-inflammatory activity, inducing JNK activation in RAW264.7 cells and inhibiting the expression of TNF- α , with an IC₅₀ of 171.7 μ M^{[1][2]}.

REFERENCES

- [1]. N Ito, et al. Antidepressant-like Effect of l-perillaldehyde in Stress-induced Depression-like Model Mice through Regulation of the Olfactory Nervous System. Evid Based Complement Alternat Med. 2011;2011:512697.
- [2]. Takuya Uemura, et al. Intestinal Anti-Inflammatory Activity of Perillaldehyde. J Agric Food Chem. 2018 Apr 4;66(13):3443-3448.

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

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