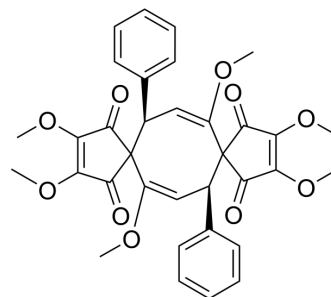


Linderaspirone A

Cat. No.:	HY-N3380
CAS No.:	1235126-46-1
Molecular Formula:	C ₃₄ H ₃₂ O ₁₀
Molecular Weight:	600.61
Target:	PGE synthase; Interleukin Related
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Linderaspirone A is a natural compound that can be isolated from the roots of <i>Lindera</i> aggregate. Linderaspirone A shows significant inhibitory effects on the production of prostaglandin E2 (PGE2), TNF- α , and IL-6 [1][2].
In Vitro	Linderaspirone A also inhibits the expression of inducible NO synthase (iNOS) and cyclooxygenase-2 (COX-2), which are pro-inflammatory proteins, and the activation of nuclear factor κ B (NF- κ B) [2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Lin Chen, et al. *Lindera* cyclopentenone intermediates from the roots of *Lindera* aggregate. *RSC Adv.* 2018 May 16;8(32):17898-17904.
- [2]. Chi-Su Yoon, et al. Effects of Compounds Isolated from *Lindera erythrocarpa* on Anti-Inflammatory and Anti-Neuroinflammatory Action in BV2 Microglia and RAW264.7 Macrophage. *Int J Mol Sci.* 2022 Jun 27;23(13):7122.

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

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