IL-1β-IN-1

Cat. No.: HY-149281

CAS No.: 2780364-50-1

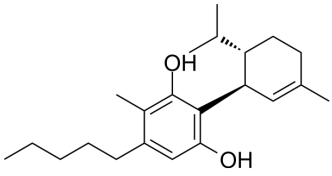
Molecular Formula: $C_{22}H_{34}O_2$

Molecular Weight: 330.5

Target: Interleukin Related

Pathway: Immunology/Inflammation

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



BIOLOGICAL ACTIVITY

Description	IL-1β-IN-1, cannabidiol derivative, is a potent IL-1β inhibitor. IL-1β-IN-1 has anti-inflammatory and pain-resolving properties [1].
IC_{50} & Target	IL-1β
In Vivo	IL-1β-IN-1 (compound 2; 10 and 25 mg/kg; i.p.; female Sabra mice) improves swelling and pain sensation in a dose-dependent manner[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	female Sabra mice, 7-8 weeks old[1]
Dosage:	10 and 25 mg/kg
Administration:	intraperitoneal injection
Result:	Reduced swelling and pain sensation. Reduced plasma TNFα and IL-1β.

REFERENCES

[1]. Lavi Y, et, al. Novel Synthesis of C-Methylated Phytocannabinoids Bearing Anti-inflammatory Properties. J Med Chem. 2023 Apr 27;66(8):5536-5549.

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

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