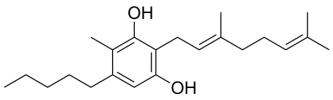
IL-1β-IN-2

Cat. No.:	HY-149282
CAS No.:	2242896-76-8
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-2, cannabigerol derivative, is a potent IL-1β inhibitor. IL-1β-IN-2 has anti-inflammatory and pain-resolving properties[1].
In Vivo	IL-1β-IN-2 (compound 11; 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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