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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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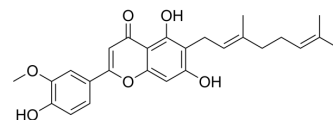
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Cannflavin A (Standard)

Cat. No.:	HY-W748591R
CAS No.:	76735-57-4
Molecular Formula:	C ₂₆ H ₂₈ O ₆
Molecular Weight:	436.5
Target:	Apoptosis; Amyloid-β; Apoptosis; Amyloid-β
Pathway:	Apoptosis; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Cannflavin A (Standard) is the analytical standard of Cannflavin A. This product is intended for research and analytical applications. Cannflavin A can be isolated from *Cannabis sativa* L. Cannflavin A has anti-cancer, neuroprotective and anti-inflammatory activity. Cannflavin A inhibits Aβ₁₋₄₂ aggregation. Cannflavin A also inhibits kynurenine-3-monooxygenase (KMO). Cannflavin A activates apoptosis via caspase-3 cleavage^{[1][2][3][4]}.

REFERENCES

- [1]. Rea KA, et al. Biosynthesis of cannflavins A and B from *Cannabis sativa* L. *Phytochemistry*. 2019 Aug;164:162-171.
- [2]. Eggers C, et al. Novel cannabis flavonoid, cannflavin A displays both a hormetic and neuroprotective profile against amyloid β-mediated neurotoxicity in PC12 cells: Comparison with geranylated flavonoids, mimulone and diplacone. *Biochem Pharmacol*. 2019 Nov;169:113609.
- [3]. Puopolo T, et al. Gram-Scale Preparation of Cannflavin A from Hemp (*Cannabis sativa* L.) and Its Inhibitory Effect on Tryptophan Catabolism Enzyme Kynurenine-3-Monooxygenase. *Biology (Basel)*. 2022 Sep 28;11(10):1416.
- [4]. Tomko AM, et al. Anti-cancer properties of cannflavin A and potential synergistic effects with gemcitabine, cisplatin, and cannabinoids in bladder cancer. *J Cannabis Res*. 2022 Jul 22;4(1):41.
- [5]. Rea KA, et al. Biosynthesis of cannflavins A and B from *Cannabis sativa* L. *Phytochemistry*. 2019 Aug;164:162-171.
- [6]. Eggers C, et al. Novel cannabis flavonoid, cannflavin A displays both a hormetic and neuroprotective profile against amyloid β-mediated neurotoxicity in PC12 cells: Comparison with geranylated flavonoids, mimulone and diplacone. *Biochem Pharmacol*. 2019 Nov;169:113609.
- [7]. Puopolo T, et al. Gram-Scale Preparation of Cannflavin A from Hemp (*Cannabis sativa* L.) and Its Inhibitory Effect on Tryptophan Catabolism Enzyme Kynurenine-3-Monooxygenase. *Biology (Basel)*. 2022 Sep 28;11(10):1416.
- [8]. Tomko AM, et al. Anti-cancer properties of cannflavin A and potential synergistic effects with gemcitabine, cisplatin, and cannabinoids in bladder cancer. *J Cannabis Res*. 2022 Jul 22;4(1):41.

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

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