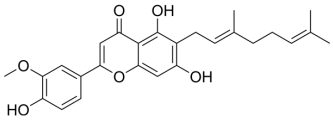
Cannflavin A

Cat. No.:	HY-W748591
CAS No.:	76735-57-4
Molecular Formula:	$C_{26}H_{28}O_6$
Molecular Weight:	436.5
Target:	Apoptosis; Amyloid-β
Pathway:	Apoptosis; Neuronal Signaling
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



BIOLOGICAL ACTIVITY

Description	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.

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA