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Produktinformation

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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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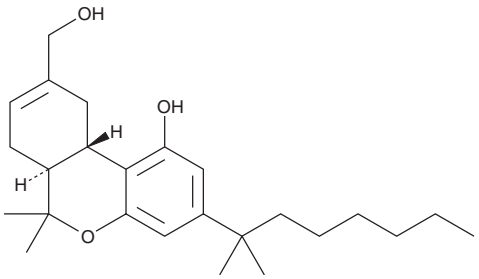
Product Information

HU-211

Item No. 10006350

CAS Registry No.: 112924-45-5
Formal Name: 3-(1,1-dimethylheptyl)-6aS,7,10,10aS-tetrahydro-1-hydroxy-6,6-dimethyl-6H-dibenzo[b,d]pyran-9-methanol
Synonym: Dexanabinol
MF: $C_{25}H_{38}O_3$
FW: 386.6
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid



Laboratory Procedures

For long term storage, we suggest that HU-211 be stored as supplied at -20°C. It should be stable for at least two years.

HU-211 is supplied as a crystalline solid. A stock solution may be made by dissolving the HU-211 in an organic solvent purged with an inert gas. HU-211 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF). The solubility of HU-211 in these solvents is approximately 30 mg/ml.

HU-211 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, HU-211 should first be dissolved in DMF and then diluted with the aqueous buffer of choice. HU-211 has a solubility of approximately 0.25 mg/ml in a1:2 solution of DMF:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

The endocannabinoids present a rich system of central cannabinoid (CB_1), peripheral cannabinoid (CB_2), and non-CB receptor-mediated pharmacology that has stimulated research in many fields including memory, weight loss and appetite, neurodegeneration, tumor surveillance, analgesia, and inflammation.[1,2] HU-211 is a synthetic terpene-based cannabinoid devoid of CB_1 and CB_2 agonist activity, thus lacking the psychomotor responses characteristic of Δ^9-THC. HU-211 does exhibit the neuroprotective, antioxidant properties of other related compounds like cannabidiol.[3] HU-211 also has anti-inflammatory properties derived through inhibition of NF-κB and the resulting decreases in cytokines such as TNFα and interleukin-6.

References

1. Pertwee, R.G. Pharmacology of cannabinoid receptor ligands. *Current Medicinal Chemistry* **6**, 635-664 (1999).
2. Martin, B.R., Mechoulam, R., and Razdan, R.K. Discovery and characterization of endogenous cannabinoids. *Life Sci.* **65**, 573-595 (1999).
3. Juttler, E., Potrovita, I., Tarabin, V.*, et al.* The cannabinoid dexanabinol is inhibitor of the nuclear factor-kappa B (NF-κB). *Neuropharmacology* **47**, 580-592 (2004).

Related Products

Cannabidiol (DEA Schedule I Regulated Compound) - Item No. 90080 • Cannabidiol (solution) - Item No. 90081 • HU-210 (DEA Schedule I Regulated Compound) - Item No. 90082 • HU-308 - Item No. 90086 • CAY10429 - Item No. 10004259

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