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-9-9-methanol
Synonym: Dexanabinol
MF: C25H38O3
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 (CB1), peripheral cannabinoid (CB2), 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 CB1 and CB2 agonist activity, thus lacking the psychomotor responses characteristic of Δ9-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-kB and the resulting decreases in cytokines such as TNFα and interleukin-6.

References

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

WARNING: This product is for laboratory research only: not for administration to humans. Not for human or veterinary diagnostic or therapeutic use.

MATERIAL SAFETY DATA
This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet, which has been sent via email to your institution.

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For further details, please refer to our Warranty and Limitation of Remedy located on our website and in our catalog.

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