



LKT Laboratories, Inc.

CP 55940

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Product Information

Product ID C600000

CAS No. 83002-04-4

Chemical Name 2-[(1R,2R,5R)-5-hydroxy-2-(3-hydroxypropyl)cyclohexyl]-5-(2-methyloctan-2-yl)phenol

Synonym CP-55940, CP 55,940, (-)-CP-55940

Formula C₂₄H₄₀O₃

Formula Wt. 376.58

Melting Point

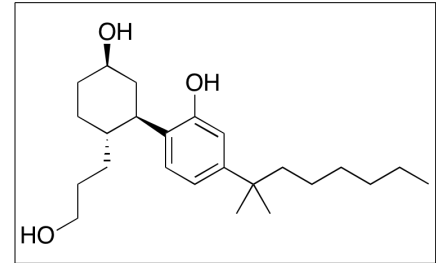
Purity ≥98%

Solubility 100mM in ethanol
100mM in DMSO

Store Temp -20° C

Ship Temp Ambient

Description CP 55,940 is a non-selective, synthetic agonist of the cannabinoid receptors. It has shown activity in anti-cancer, anti-nociceptive, anti-hyperalgesic and anti-neurodegenerative capacity. More recent studies demonstrated the ability of CP 55,940 to decrease cancer-related pain in mouse models. In mice models with induced hyperalgesia, CP 55,940 administration improved the response of mice in a paw-withdrawal assay. In CB1 knockout mice, CP 55,940 decreased the amount of allodynia pain in a paclitaxel-induced neuropathy.



Bulk quantities available upon request

Product ID	Size
C600000	1 mg
C600000	5 mg
C600000	25 mg

References Deng L, Cornett BL, Mackie K, and Hohmann AG. CB1 Knockout Mice Unveil Sustained CB2-Mediated Antiallodynic Effects of the Mixed CB1/CB2 Agonist CP55,940 in a Mouse Model of Paclitaxel-Induced Neuropathic Pain. *Mol Pharmacol.* 2015 Jul;88(1):64-74. PMID: 25904556.

Hamamoto DT, Giridharagopalan S, and Simone DA. Acute and chronic administration of the cannabinoid receptor agonist CP 55,940 attenuates tumor-evoked hyperalgesia. *Eur J Pharmacol.* 2007 Mar 8;558(1-3): 73-87. PMID: 17250825.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.