LKT Laboratories, Inc.

JWH 133

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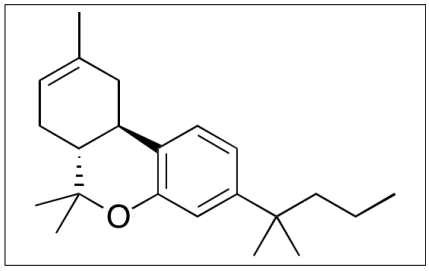
Product Information

Product ID J889290
CAS No. 259869-55-1
Chemical Name (6aR,10aR)-6,6,9-trimethyl-3-(2-methylpentan-2-yl)-6a,7,10,10a-tetrahydrobenzo[c]chromene
Synonym JWH-133



Formula $C_{22}H_{32}O$
Formula Wt. 312.50
Melting Point
Purity ≥95%
Solubility ethanol:100mM
DMSO:50mM with gentle warming

Store Temp -20˚C
Ship Temp Ambient

Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
J889290	1 mg	$78.80
J889290	5 mg	$207.90
J889290	25 mg	$735.00

Description JWH-133 is a potent, selective cannabinoid receptor 2 (CB2) agonist. It activates CB2, causing a variety of end results. Recent studies show that JWH-133 plays a role in dopamine signaling, osteolysis, and acute liver failure. JWH-133 activation of CB2 increased the amount of dopamine firing and decreased cocaine use in a mouse self-administration model for chemical dependence. In breast-cancer derived osteolysis, CB2 activation by JWH-133 increased the amount of cell movement. And in acute liver failure LPS-mouse models, JWH-133 increased the amount of macrophages, causing an anti-inflammatory response and increasing survival in mice.
TEST!!!!!!

References

Sophocleous A, Marino S, Logan JG et al. Bone Cell-autonomous Contribution of Type 2 Cannabinoid Receptor to Breast Cancer-induced Osteolysis. J Biol. Chem. 2015 Sep 4;290(36):22049-60. PMID: 26195631.

Tomar S, Zumbrun EE, Nagarkatti M, and Nagarkatti PS. Protective role of cannabinoid receptor 2 activation in galactosamine/lipopolysaccharide-induced acute liver failure through regulation of macrophage polarization and microRNAs. J Pharmacol Exp Ther. 2015 May;353(2):369-79. PMID: 25749929.

Zhang HY, Gao M, Liu QR et al. Cannabinoid CB2 receptors modulate midbrain dopamine neuronal activity and dopamine-related behavior in mice. Proc Natl Acad Sci USA. 2014 Nov 18;111(46):E5007-15. PMID: 25368177.