



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 C₂₂H₃₂O

Formula Wt. 312.50

Melting Point

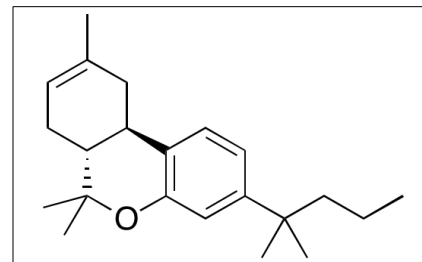
Purity ≥95%

Solubility ethanol:100mM
DMSO:50mM with gentle warming

Store Temp -20°C

Ship Temp Ambient

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.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
J889290	1 mg	\$107.30
J889290	5 mg	\$283.40
J889290	25 mg	\$1001.60

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, Zumbun 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.

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