LKT Laboratories, Inc.

HU 308

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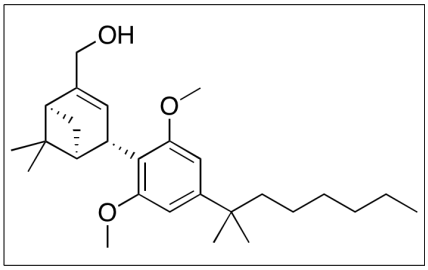
Product Information

Product ID H800010
CAS No. 256934-39-1
Chemical Name [(1R,2S,5R)-2-[2,6-dimethoxy-4-(2-methyloctan-2-yl)phenyl]-6,6-dimethyl-4-bicyclo[3.1.1]hept-3-enyl]methanol
Synonym HU-308



Formula $C_{27}H_{42}O_3$
Formula Wt. 414.63
Melting Point
Purity ≥98%
Solubility 100mM in DMSO,
100mM in ethanol

Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
H800010	1 mg	$68.60
H800010	5 mg	$279.10
H800010	25 mg	$1073.30

Store Temp -20˚C
Ship Temp Ambient
Description HU 308 is a selective cannabinoid receptor 2 (CB2) agonist. Activation of the CB2 receptor produces a variety of results in cancer, neuroscience and immunology. Recent studies with HU 308 show activity in immunomodulatory systems. HU 308, in neuroprogentor cells, induces cellular motility by activation of the PI3-K/Akt/mTORC pathway. HU-308 activates macrophage chemotaxis, albeit without activity the CB2 receptor.

References

Hanus L, Breuer A, Tchilibon S et al. HU-308: a specific agonist for CB(2), a peripheral cannabinoid receptor. Proc Natl Acad Sci USA. 1999 Dec 7;96(25):14228-33. PMID: 10588688.

Palazuelos J, Ortega Z, Diaz-Alonso J et al. CB2 cannabinoid receptors promote neural progenitor cell proliferation via mTORC1 signaling. J Biol Chem. 2012 Jan 6;287(2):1198-209. PMID: 22102284.

Taylor L, Christou I, Kapellos TS, et al. Primary Macrophage Chemotaxis Induced by Cannabinoid Receptor 2 Agonists Occurs Indepenently of the CB2 Receptor. Sci Rep. 2015 Jun 2;5:10682. PMID: 26033291.