

AM-1714

Chemical Properties

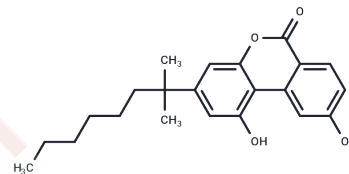
CAS No. : 335371-37-4

Formula: C₂₂H₂₆O₄

Molecular Weight: 354.44

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	AM-1714 is a reasonable selective agonist for the peripheral cannabinoid receptor CB2. In animal studies, it has been shown to have analgesic and anti-abnormal pain effects.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8214 mL	14.1068 mL	28.2135 mL
5 mM	0.5643 mL	2.8214 mL	5.6427 mL
10 mM	0.2821 mL	1.4107 mL	2.8214 mL
50 mM	0.0564 mL	0.2821 mL	0.5643 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Rahn EJ, Zvonok AM, Thakur GA, Khanolkar AD, Makriyannis A, Hohmann AG. Selective activation of cannabinoid CB2 receptors suppresses neuropathic nociception induced by treatment with the chemotherapeutic agent paclitaxel in rats. *J Pharmacol Exp Ther.* 2008 Nov;327(2):584-91. doi: 10.1124/jpet.108.141994. Epub 2008 Jul 29. PubMed PMID: 18664590; PubMed Central PMCID: PMC2682949.

Proposing lead compounds for the development of SARS-CoV-2 receptor-binding inhibitors
Khanolkar AD, Lu D, Ibrahim M, Duclos RI Jr, Thakur GA, Malan TP Jr, Porreca F, Veerappan V, Tian X, George C, Parrish DA, Papahatjis DP, Makriyannis A. *Cannabiolactones: a novel class of CB2 selective agonists with peripheral analgesic activity.* *J Med Chem.* 2007 Dec 27;50(26):6493-500. Epub 2007 Nov 27. PubMed PMID: 18038967.

Mukherjee S, Adams M, Whiteaker K, Daza A, Kage K, Cassar S, Meyer M, Yao BB. Species comparison and pharmacological characterization of rat and human CB2 cannabinoid receptors. *Eur J Pharmacol.* 2004 Nov 28;505(1-3):1-9. PubMed PMID: 15556131.

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