



LKT Laboratories, Inc.

(R,S)-AM 1241

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Product Information

Product ID A480020

CAS No. 444912-48-5

Chemical Name (2-iodo-5-nitrophenyl)-[1-[(1-methylpiperidin-2-yl)methyl]indol-3-yl] methanone

Synonym AM1241

Formula C₂₂H₂₂IN₃O₃

Formula Wt. 503.34

Melting Point

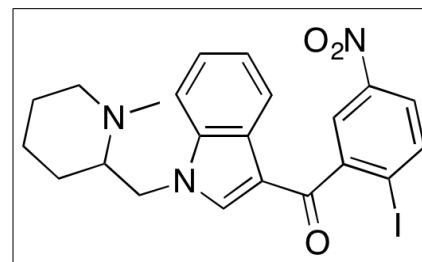
Purity ≥96%

Solubility Soluble in DMSO to 10 mM and in ethanol to 10 mM

Store Temp -20°C

Ship Temp Blue Ice

Description AM1241 is a selective cannabinoid receptor 2 (CB2) agonist. It demonstrates activity in multiple pain murine models. AM1241 was used to treat osteopathic carcinoma pain in mice. AM1241 decreased allodynia found in a rodent model, and also decreased thermal hyperalgesia. AM1241 was used in a murine Parkinson's disease model, where it increased expression of Parkin and PINK1, and also stimulated neurogenesis.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A480020	1 mg	\$57.20
A480020	5 mg	\$164.50
A480020	25 mg	\$572.50

References Shi J, Cai Q, Zhang J et al. AM1241 alleviates MPTP-induced Parkinson's disease and promotes the regeneration of DA neurons in PD mice. *Oncotarget*. 2017 Jun 29;8(40):67837-67850. PMID: 28978077.

Curto-Reyes V, Llamas S, Hidalgo A et al. Spinal and peripheral analgesic effects of the CB2 cannabinoid receptor agonist AM1241 in two models of bone cancer-induced pain. *Br J Pharmacol*. 2010 Jun;160(3):561-73. PMID: 20233215.

Ibrahim MM, Deng H, Zvonok A et al. Activation of CB2 cannabinoid receptors by AM1241 inhibits experimental neuropathic pain: pain inhibition by receptors not present in the CNS. *Proc Natl Acad Sci USA*. 2003 Sep 2;100(18):10529-33. PMID: 12917492.

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