



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

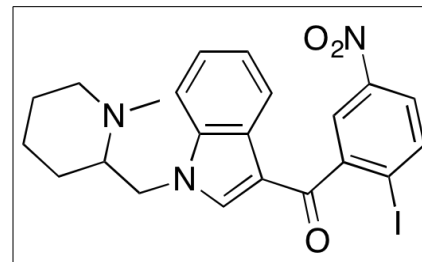
Purity ≥96%

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. TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A480020	1 mg	\$42.00
A480020	5 mg	\$120.80
A480020	25 mg	\$420.00

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.