



LKT Laboratories, Inc.

AM251

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Product Information

Product ID A480000

CAS No. 183232-66-8

Chemical Name 1-(2,4-Dichlorophenyl)-5-(4-iodophenyl)-4-methyl-N-1-piperidinyl-1H-pyrazole-3-carboxamide

Synonym AM-251, AM 251

Formula C₂₂H₂₁Cl₂N₄O

Formula Wt. 555.24

Melting Point

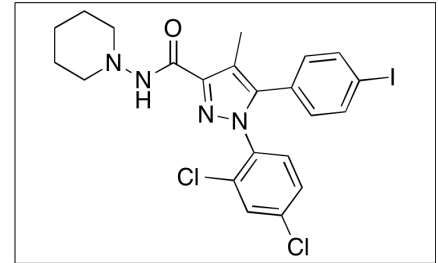
Purity ≥97%

Solubility 25mM in ethanol
100mM in DMSO

Store Temp -20° C

Ship Temp Ambient

Description AM251 is a cannabinoid receptor 1 (CB1) antagonist/inverse agonist. It works by inhibiting the action of the endocannabinoid system. AM251 shows beneficial effects as an anti-obesity compound. AM251 is renal-protective in rats fed a high-fat diet. Also, AM251 decreases expression of estrogen-related receptor alpha (EER α), a potential therapeutic target for obesity. AM251 also show beneficial effects for the impairment of fear memory in rats.



Bulk quantities available upon request

Product ID	Size
A480000	5 mg
A480000	25 mg
A480000	100 mg

References Krzysik-Walker SM, Gonzalez-Mariscal I, Scheibye-Knudsen M, et al. The Biarylpyrazole Compound AM251 Alters Mitochondrial Physiology via Proteolytic Degradation of ERRα. *Mol. Pharm.* 2013. 83:157-166. PMID: 23066093.

Ratano P, Everitt BJ and Milton AL. The CB1 Receptor Antagonist AM251 Impairs Reconsolidation of Pavlovian Fear Memory in the Rat Basolateral Amygdala. *Neuropsychopharmacology.* 2014 Oct;39(11):2529-37. PMID: 24801769.

Jenkin KA, O'Keefe L, Simcocks AC, et al. Chronic administration of AM251 improves albuminuria and renal tubular structure in obese rats. *J Endocrin.* 2015 May;225(2):113-24. PMID: 25804605.

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