

Product Name: AR 420626

Catalog No.: 6163

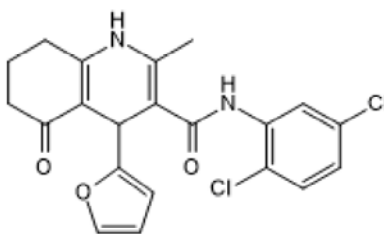
Batch No.: 1

CAS Number: 1798310-55-0

IUPAC Name: *N*-(2,5-Dichlorophenyl)-4-(furan-2-yl)-2-methyl-5-oxo-1,4,5,6,7,8-hexahydroquinoline-3-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₁H₁₈Cl₂N₂O₃
Batch Molecular Weight: 417.29
Physical Appearance: Off White solid
Solubility: DMSO to 50 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.5% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

| | Carbon | Hydrogen | Nitrogen |
|-------------|--------|----------|----------|
| Theoretical | 60.44 | 4.35 | 6.71 |
| Found | 60.27 | 4.37 | 6.56 |

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

FFA3 agonist (pEC₅₀ = 5.74). Inhibits nicotine and serotonin induced changes in motility of isolated muscle strips from rat colon. Also suppresses serotonin-induced fecal output in rats.

Physical and Chemical Properties:

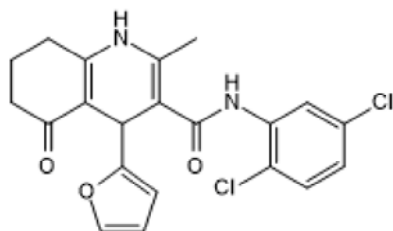
Batch Molecular Formula: C₂₁H₁₈Cl₂N₂O₃

Batch Molecular Weight: 417.29

Physical Appearance: Off White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 50 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Kaji et al (2017) Free fatty acid receptor 3 activation suppresses neurogenic motility in rat proximal colon. *Neurogastroenterol.Motil.* PMID: 28714277.

Hudson et al (2014) Complex pharmacology of novel allosteric free fatty acid 3 receptor ligands. *Mol Pharmacol.* **86** 200. PMID: 24870406.

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