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: C_{21}H_{18}Cl_{2}N_{2}O_{3}
   Batch Molecular Weight: 417.29
   Physical Appearance: Off White solid
   Solubility: DMSO to 50 mM
   Storage: Store at -20°C

2. ANALYTICAL DATA

   HPLC: Shows 98.5% purity
   \(^1\)H 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 (pEC\(_{50}\) = 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:** \( C_{21}H_{18}Cl_2N_2O_3 \)  
**Batch Molecular Weight:** 417.29  
**Physical Appearance:** Off White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**

![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:**  