

**Product Name:** TC-FPR 43

**Catalog No.:** 4624

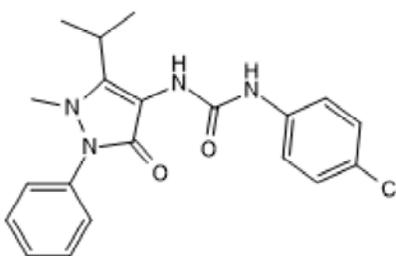
**Batch No.:** 1

CAS Number: 903895-98-7

IUPAC Name: *N*-(4-Chlorophenyl)-*N*-[2,3-dihydro-1-methyl-5-(1-methylethyl)-3-oxo-2-phenyl-1*H*-pyrazol-4-yl]-urea

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>20</sub>H<sub>21</sub>ClN<sub>4</sub>O<sub>2</sub>  
**Batch Molecular Weight:** 384.86  
**Physical Appearance:** Off White solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.38 (Dichloromethane:Methanol [93:7])  
**HPLC:** Shows 99.6% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	62.42	5.5	14.56
Found	62.54	5.53	14.53

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

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**Description:**

Potent formyl peptide receptor 2 (FPR2) agonist (EC<sub>50</sub> = 44 nM). Inhibits fMLP- and IL-8-induced neutrophil migration. Suppresses inflammation in a mouse model of acute inflammation. Orally bioavailable.

**Physical and Chemical Properties:**

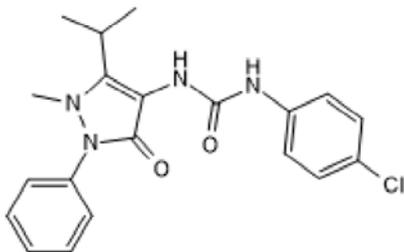
Batch Molecular Formula: C<sub>20</sub>H<sub>21</sub>ClN<sub>4</sub>O<sub>2</sub>

Batch Molecular Weight: 384.86

Physical Appearance: Off White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO to 100 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:**

**Forsman *et al*** (2011) Stable formyl peptide receptor agonists that activate the neutrophil NADPH-oxidase identified through screening of a compound library. *Biochem.Pharmacol.* **81** 402. PMID: 21095183.

**Dufton *et al*** (2010) Anti-inflammatory role of the murine formyl-peptide receptor 2: ligand-specific effects on leukocyte responses and experimental inflammation. *J.Immunol.* **184** 2611. PMID: 20107188.

**Bürli *et al*** (2006) Potent hFPRL1 (ALXR) agonists as potential anti-inflammatory agents. *Bioorg.Med.Chem.Lett.* **16** 3713. PMID: 16697190.

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