

**Product Name:** Quin C1

**Catalog No.:** 5583

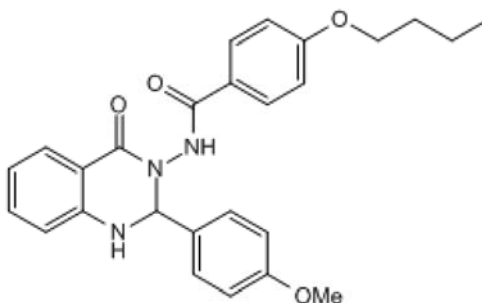
**Batch No.:** 1

CAS Number: 786706-21-6

IUPAC Name: 4-Butoxy-*N*-[1,4-dihydro-2-(4-methoxyphenyl)-4-oxo-3(2*H*)-quinazoliny]benzamide

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>26</sub>H<sub>27</sub>N<sub>3</sub>O<sub>4</sub>  
**Batch Molecular Weight:** 445.51  
**Physical Appearance:** Beige solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 98.3% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	70.1	6.11	9.43
Found	70.23	6.07	9.4

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

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**Description:**

Potent and selective FPR2 agonist ( $EC_{50} = 15$  nM). Induces  $Ca^{2+}$  mobilization in FPR2 but not FPR1-transfected mast cells. Induces neutrophil chemotaxis and degranulation in vitro. Reduces neutrophil and lymphocyte counts in bronchoalveolar lavage fluid in a mouse lung injury model. Anti-inflammatory.

**Physical and Chemical Properties:**

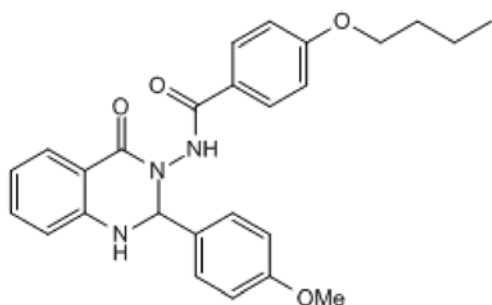
Batch Molecular Formula:  $C_{26}H_{27}N_3O_4$

Batch Molecular Weight: 445.51

Physical Appearance: Beige solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -20°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:**

**Corminboeuf et al** (2014) FPR2/ALXR agonists and the resolution of inflammation. *J.Med.Chem.* **58** 537. PMID: 25365541.

**Zhou et al** (2007) Pharmacological characterization of a novel nonpeptide antagonist for formyl peptide receptor-like 1. *Mol.Pharmacol.* **72** 976. PMID: 17652444.

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