

Certificate of Analysis

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Product Name: CYM 50769

Catalog No.: 4948

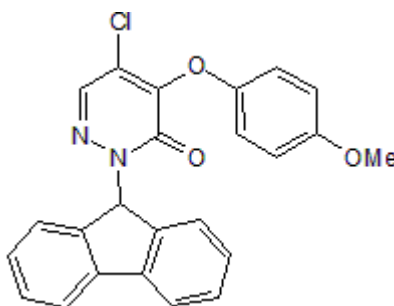
Batch No.: 1

CAS Number: 1421365-63-0

IUPAC Name: 5-Chloro-2-(9H-fluoren-9-yl)-4-(4-methoxyphenoxy)-3(2H)-pyridazinone

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₄H₁₇ClN₂O₃
Batch Molecular Weight: 416.86
Physical Appearance: Off-white solid
Solubility: DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.9% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	69.15	4.11	6.72
Found	69	4.24	6.79

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

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Description:

Novel non-peptide antagonist of neuropeptide W/B receptor 1 (NPBWR1, GPR7) ($IC_{50} = 0.12 \mu M$).

Physical and Chemical Properties:

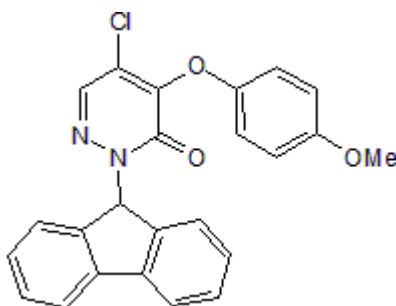
Batch Molecular Formula: $C_{24}H_{17}ClN_2O_3$

Batch Molecular Weight: 416.86

Physical Appearance: Off-white solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Guerrero et al (2013) SAR analysis of novel non-peptidic NPBWR1 (GPR7) antagonists. *Bioorg.Med.Chem.Lett.* **23** 614. PMID: 23287738.

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.

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