

Certificate of Analysis

Product Name: CYM 50260

Catalog No.: 4677

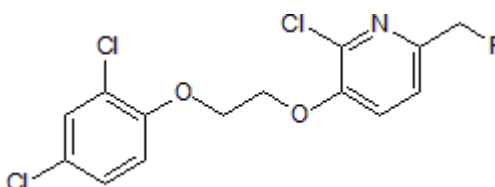
Batch No.: 1

CAS Number: 1355026-60-6

IUPAC Name: 2-Chloro-3-[2-(2,4-dichlorophenoxy)ethoxy]-6-(fluoromethyl)pyridine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₄H₁₁Cl₃FNO₂
Batch Molecular Weight: 350.6
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	47.96	3.16	4
Found	48.01	3.14	3.94

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

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IUPAC Name: 2-Chloro-3-[2-(2,4-dichlorophenoxy)ethoxy]-6-(fluoromethyl)pyridine

Description:

Potent sphingosine-1-phosphate receptor 4 (S1P₄) agonist (EC₅₀ = 45 nM). Displays no activity at other S1P receptor subtypes (S1P₁₋₃ and S1P₅) at concentrations up to 25 μM.

Physical and Chemical Properties:

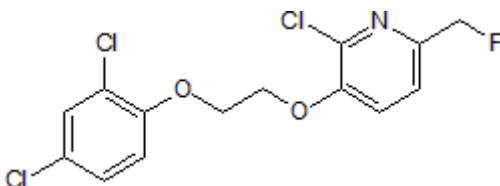
Batch Molecular Formula: C₁₄H₁₁Cl₃FNO₂

Batch Molecular Weight: 350.6

Physical Appearance: White 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:

Guerrero et al (2011) Discovery, design and synthesis of novel potent and selective sphingosine-1-phosphate 4 receptor (S1P₄-R) agonists. *Bioorg.Med.Chem.Lett.* **22** 537. PMID: 22119461.

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