

Product Name: TC LPA5 4

Catalog No.: 4708

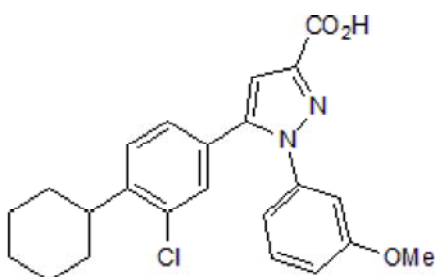
Batch No.: 1

CAS Number: 1393814-38-4

IUPAC Name: 5-(3-Chloro-4-cyclohexylphenyl)-1-(3-methoxyphenyl)-1H-pyrazole-3-carboxylic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₃H₂₃ClN₂O₃
Batch Molecular Weight: 410.89
Physical Appearance: Off-white solid
Solubility: DMSO to 100 mM
 1eq. NaOH to 5 mM
 ethanol to 20 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.48 (Ethyl acetate)
HPLC: Shows 98.2% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	67.23	5.64	6.82
Found	66.95	5.57	6.9

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

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Description:

TC LPA5 4 is an LPA₅ receptor antagonist (IC₅₀ = 0.8 μM in LPA₅-RH7777 cells). TC LPA5 4 inhibits LPA-induced aggregation of isolated human platelets. Exhibits selectivity for LPA₅ against 80 other screened targets.

Physical and Chemical Properties:

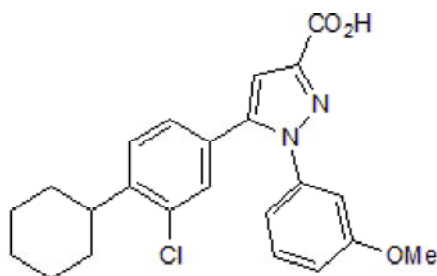
Batch Molecular Formula: C₂₃H₂₃ClN₂O₃

Batch Molecular Weight: 410.89

Physical Appearance: Off-white solid

Minimum Purity: ≥98%

Batch Molecular Structure:



References:

Kozian *et al* (2012) Selective non-lipid modulator of LPA₅ activity in human platelets. *Bioorg.Med.Chem.Lett.* **22** 5239. PMID: 22801643.

Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM
1eq. NaOH to 5 mM
ethanol to 20 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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