

Product Name: VU 0364439

Catalog No.: 4371

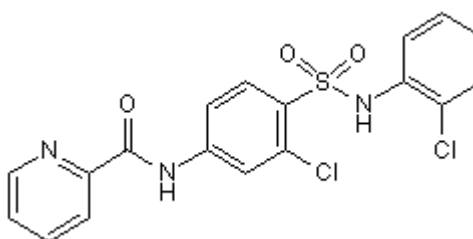
Batch No.: 1

CAS Number: 1246086-78-1

IUPAC Name: *N*-[3-Chloro-4-[[[(2-chlorophenyl)amino]sulfonyl]phenyl]-2-pyridinecarboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₈H₁₃Cl₂N₃O₃S
Batch Molecular Weight: 422.29
Physical Appearance: Off-white powder
Solubility: DMSO to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.29 (Chloroform)
HPLC: Shows 100% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	51.2	3.1	9.95
Found	51.04	3.09	9.76

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

Tocris Bioscience is an R&D Systems company
 USA & CANADA Tel: (800) 343-7475 EUROPE Tel: +44 (0)1235 529449 CHINA Tel: +86 (21) 52380373
 www.RnDSystems.com

R&D
SYSTEMS®

Product Name: VU 0364439

Catalog No.: 4371

Batch No.: 1

CAS Number: 1246086-78-1

IUPAC Name: *N*-[3-Chloro-4-[[[(2-chlorophenyl)amino]sulfonyl]phenyl]-2-pyridinecarboxamide

Description:

Positive allosteric modulator (PAM) of mGlu₄ receptors (EC₅₀ = 19.8 nM in vitro for human mGlu₄).

Physical and Chemical Properties:

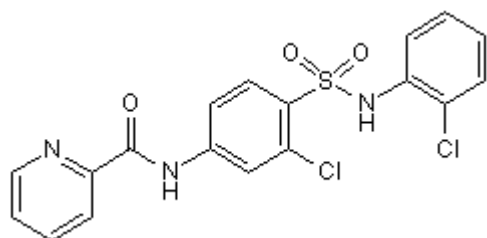
Batch Molecular Formula: C₁₈H₁₃Cl₂N₃O₃S

Batch Molecular Weight: 422.29

Physical Appearance: Off-white powder

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at RT

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:

Engers *et al* (2010) Synthesis and SAR of novel, 4-(phenylsulfamoyl)phenylacetamide mGlu₄ positive allosteric modulators (PAMs) identified by functional high-throughput screening (HTS). *Bioorg.Med.Chem.Lett.* **20** 5175. PMID: 20667732.

Robichaud *et al* (2011) Recent progress on the identification of metabotropic glutamate 4 receptor ligands and their potential utility as CNS therapeutics. *ACS Chem.Neurosci.* **2** 433.

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

Tocris Bioscience is an R&D Systems company
USA & CANADA Tel: (800) 343-7475 EUROPE Tel: +44 (0)1235 529449 CHINA Tel: +86 (21) 52380373
www.RnDSystems.com

R&D
SYSTEMS®