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:** C_{18}H_{13}Cl_{2}N_{3}O_{3}S
**Batch Molecular Weight:** 422.29
**Physical Appearance:** Off-white solid
**Solubility:** DMSO to 100 mM
**Storage:** Store at RT

2. ANALYTICAL DATA

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

<table>
<thead>
<tr>
<th></th>
<th>Theoretical</th>
<th>Found</th>
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<tbody>
<tr>
<td>Carbon</td>
<td>51.2</td>
<td>51.04</td>
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<tr>
<td>Hydrogen</td>
<td>3.1</td>
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<tr>
<td>Nitrogen</td>
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<td>9.76</td>
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</tbody>
</table>
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Description:
Positive allosteric modulator (PAM) of mGlu₄ receptors (EC₅₀ = 19.8 nM in vitro for human mGlu₄).

Physical and Chemical Properties:
Batch Molecular Formula: C₁₆H₁₂Cl₂N₂O₃S
Batch Molecular Weight: 422.29
Physical Appearance: Off-white solid
Minimum Purity: >99%

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: