Product Name: MMPIP hydrochloride
CAS Number: 479077-02-6
IUPAC Name: 6-(4-Methoxyphenyl)-5-methyl-3-(4-pyridinyl)-isoxazolo[4,5-c]pyridin-4(5H)-one hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_{19}H_{15}N_{3}O_{3}.HCl.H_{2}O
Batch Molecular Weight: 387.82
Physical Appearance: Yellow solid
Solubility: DMSO to 10 mM
Storage: Desiccate at RT

2. ANALYTICAL DATA

TLC: \( R_f = 0.37 \) (Ethyl acetate)
HPLC: Shows 99.4% purity
\(^1\)H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
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<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
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<tbody>
<tr>
<td>Theoretical</td>
<td>58.84</td>
<td>4.68</td>
<td>10.83</td>
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<tr>
<td>Found</td>
<td>58.91</td>
<td>4.5</td>
<td>10.7</td>
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</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
**Product Name:** MMPIP hydrochloride  
**Catalog No.:** 2963  
**Batch No.:** 4  

**Description:**  
Potent allosteric mGlu3-selective receptor antagonist. Inhibits agonist-induced intracellular calcium mobilization and cAMP accumulation (IC50 values are 26 and 610 nM). Displays intrinsic activity; increases forskolin-induced cAMP accumulation in the absence of an agonist (IC50 = 15 nM), indicating inverse agonist activity.

**Physical and Chemical Properties:**  
Batch Molecular Formula: C19H15N3O3.HCl.H2O  
Batch Molecular Weight: 387.82  
Physical Appearance: Yellow solid  

**Minimum Purity:** >98%  

**Storage:** Desiccate at RT  

**Solubility & Usage Info:**  
DMSO to 10 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:**  