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## DATASHEET

VU 0361737

### Product overview

<b>Name</b>	VU 0361737
<b>Cat No</b>	HB0638
<b>Biological action</b>	PAM
<b>Purity</b>	>99%
<b>Description</b>	mGlu <sub>4</sub> positive allosteric modulator

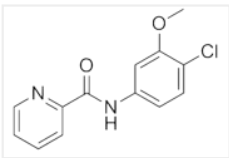
### Biological Data

<b>Biological description</b>	mGlu <sub>4</sub> receptor positive allosteric modulator (EC <sub>50</sub> = 0.24 μM). Displays little activity at mGlu <sub>5</sub> and mGlu <sub>6</sub> receptors and no activity at mGlu <sub>1, 2, 3, 6 and 7</sub> receptors. Blood-brain barrier permeable.
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### Solubility & Handling

<b>Storage instructions</b>	Room temperature
<b>Solubility overview</b>	Soluble in DMSO (100mM)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	N-(4-Chloro-3-methoxyphenyl)-2-pyridinecarboxamide
<b>Molecular Weight</b>	262.69
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>13</sub> H <sub>11</sub> ClN <sub>2</sub> O <sub>2</sub>
<b>CAS Number</b>	1161205-04-4
<b>PubChem identifier</b>	44191096
<b>SMILES</b>	C1C=C(OC)C=C(NC(C2=NC=CC=C2)=O)C=C1
<b>InChiKey</b>	ARYUXFNGXHNDM-UHFFFAOYSA-N

### References

**Radiosynthesis of N-(4-chloro-3-[(11)C]methoxyphenyl)-2-picolinamide ([11C]ML128) as a PET radiotracer for metabotropic glutamate receptor subtype 4 (mGlu4).**

Kil KE *et al* (2013) *Bioorg Med Chem* 21(19)

**PubMedID** [23978356](#)

**Discovery, synthesis, and structure-activity relationship development of a series of N-(4-acetamido)phenylpicolinamides as positive allosteric modulators of metabotropic glutamate receptor 4 (mGlu(4)) with CNS exposure in rats.**

Engers DW *et al* (2011) J Med Chem 54(4)  
**PubMedID** [21247167](#)

**Synthesis and evaluation of a series of heterobiaryl amides that are centrally penetrant metabotropic glutamate receptor 4 (mGluR4) positive allosteric modulators (PAMs).**

Engers DW *et al* (2009) J Med Chem 52(14)  
**PubMedID** [19469556](#)

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