

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@m2stage.hellobio.com



DATASHEET

VU 0361737

Product overview

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

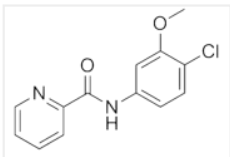
Biological Data

Biological description	mGlu ₄ receptor positive allosteric modulator (EC ₅₀ = 0.24 μM). Displays little activity at mGlu ₅ and mGlu ₈ receptors and no activity at mGlu ₁ , 2, 3, 6 and 7 receptors. Blood-brain barrier permeable.
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Solubility & Handling

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

Chemical Data

Chemical name	N-(4-Chloro-3-methoxyphenyl)-2-pyridinecarboxamide
Molecular Weight	262.69
Chemical structure	
Molecular Formula	C ₁₃ H ₁₁ ClN ₂ O ₂
CAS Number	1161205-04-4
PubChem identifier	44191096
SMILES	ClC1=C(OC)C=C(NC(C2=NC=CC=C2)=O)C=C1
InChiKey	ARYUXFNGXHNNDM-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](#)
