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DATASHEET

VU 0364770

Product overview

Name	VU 0364770
Cat No	HB0640
Biological action	PAM
Purity	>99%
Description	mGlu ₄ positive allosteric modulator

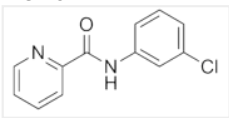
Biological Data

Biological description	mGlu ₄ receptor positive allosteric modulator (EC ₅₀ = 0.29 μM). Displays high affinity for MAO-B over MAO-A (K _i values are 0.72 and 8.5 μM respectively). Exhibits weak PAM activity at mGlu ₆ receptor and antagonist activity at mGlu ₅ . Blood brain barrier permeable. Reverses forelimb asymmetry and haloperidol-induced catalepsy in rats.
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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-(3-Chlorophenyl)-2-pyridinecarboxamide
Molecular Weight	232.67
Chemical structure	
Molecular Formula	C ₁₂ H ₉ ClN ₂ O
CAS Number	61350-00-3
PubChem identifier	836002
SMILES	O=C(C2=NC=CC=C2)NC1=CC=CC(Cl)=C1
InChiKey	SUYUTNCKIOLMAJ-UHFFFAOYSA-N

References

The metabotropic glutamate receptor 4-positive allosteric modulator VU0364770 produces efficacy alone and in combination with L-DOPA or an adenosine 2A antagonist in preclinical rodent models of Parkinson's disease.

Jones CK *et al* (2012) J Pharmacol Exp Ther 340(2)

PubMedID [22088953](#)

