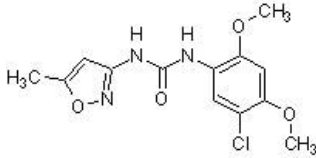


Product datasheet

PNU 120596, Positive allosteric modulator for alpha7 nicotinic acetylcholine receptors ab120559

1 References

Overview

Product name	PNU 120596, Positive allosteric modulator for alpha7 nicotinic acetylcholine receptors
Description	Positive allosteric modulator for the alpha7 nicotinic acetylcholine receptor
Biological description	Competitive, type II positive allosteric modulator for alpha7nAChR (EC ₅₀ = 216 nM). Increases potency of nicotinic agonists. No effect on alpha4beta2, alpha3beta4 and alpha9alpha10 nAChRs. Active <i>in vivo</i> .
Purity	> 99%
CAS Number	501925-31-1
Chemical structure	

Properties

Chemical name	N-(5-Chloro-2,4-dimethoxyphenyl)-N'-(5-methyl-3-isoxazolyl)urea
Molecular weight	311.72
Molecular formula	C ₁₃ H ₁₄ ClN ₃ O ₄
PubChem identifier	311434
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 100 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
SMILES	<chem>CC1=CC(=NO1)NC(=O)NC2=CC(=C(C=C2OC)OC)Cl</chem>

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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