

Product Name	: NNC-711
Synonyms	: NNC711
Cat No.	: M11968
CAS Number	: 145645-62-1
Molecular Formula	: C ₂₁ H ₂₃ ClN ₂ O ₃
Formula Weight	: 386.88
Chemical Name	: 1,2,5,6-Tetrahydro-1-[2-[[[(diphenylmethylene)amino]oxy]ethyl]-3-pyridinecarboxylic acid hydrochloride
Description	: NNC-711 is a potent and selective inhibitor of GABA uptake by GAT-1 with IC ₅₀ of 0.04 μM; displays excellent selectivity over rGAT-2, hGAT-3 and hBGT-1, and other other neurotransmitter receptors; inhibits synaptosomal (IC ₅₀ =47 nM), neuronal (IC ₅₀ =1238 nM) and glial (IC ₅₀ =636 nM) GABA uptake in vitro; demonstrates potent anticonvulsant activity against rodent seizures induced by DMCM.
Pathway	: Membrane Transporter/Ion Channel
Target	: GAT
Receptor	: GAT
Solubility	: —
SMILES	: <chem>C1CN(CC(=C1)C(=O)O)CCON=C(C2=CC=CC=C2)C3=CC=CC=C3.Cl</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Suzdak PD, et al. Eur J Pharmacol. 1992 Dec 2;224(2-3):189-98. | 2. Oh DJ, et al. Epilepsia. 1994 Mar-Apr;35(2):426-30. | 3. Borden LA, et al. Eur J Pharmacol. 1994 Oct 14;269(2):219-24.

