

Product datasheet

NNC 711, GAT-1 inhibitor ab120364

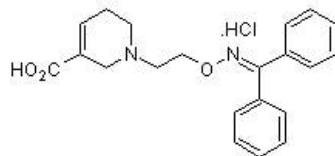
[1 References](#) [1 Image](#)

Overview

Product name	NNC 711, GAT-1 inhibitor
Description	Potent, selective GAT-1 inhibitor
Biological description	Potent and selective GAT-1 GABA uptake inhibitor. (IC ₅₀ values are 0.04 (hGAT-1), 171 (rGAT-2), 1700 (hGAT-3) and 622 μM (hBGT-1)). Selective over a range of other neurotransmitter receptor binding sites, uptake sites and ion channels <i>in vitro</i> . Potent anticonvulsant, neuroprotectant and cognitive enhancer <i>in vivo</i> . Also available in simple stock solutions (ab146719) - add 1 ml of water to get an exact, ready-to-use concentration.

CAS Number 145645-62-1

Chemical structure



Properties

Chemical name	1,2,5,6-Tetrahydro-1-[2-[[[(diphenylmethylene)amino]oxy]ethyl]-3-pyridinecarboxylic acid hydrochloride
Molecular weight	386.88
Molecular formula	C ₂₁ H ₂₂ N ₂ O ₃ ·HCl
PubChem identifier	123738
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 10 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.

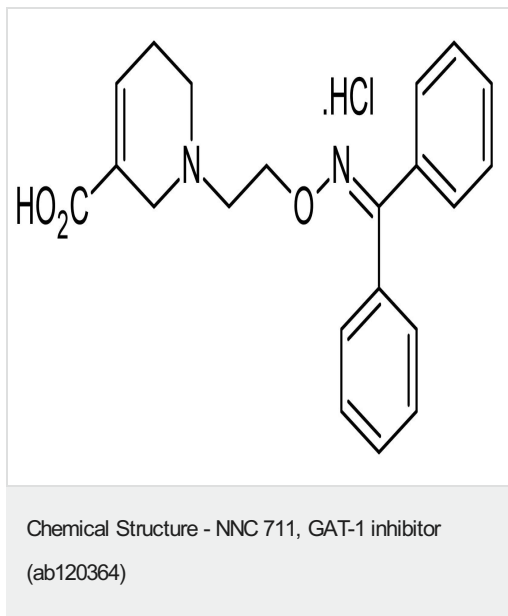
SMILES

Cl.O=C(O)C=3CN(CCON=C(/c1ccccc1)c2ccccc2)CCC=3

Source

Synthetic

Images



2D chemical structure image of ab120364, NNC 711, GAT-1 inhibitor

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

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