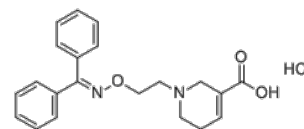


**Product Name** : NNC-711  
**Cat. No.** : PC-62931  
**CAS No.** : 145645-62-1  
**Molecular Formula** : C<sub>21</sub>H<sub>23</sub>ClN<sub>2</sub>O<sub>3</sub>  
**Molecular Weight** : 386.876  
**Target** : GABA Transporter (GAT)  
**Solubility** : 10 mM in DMSO



## Biological Activity

NNC-711 (NO-711 hydrochloride) is a potent and selective inhibitor of GABA uptake by **GAT-1** with IC<sub>50</sub> of 0.04 μM. NNC-711 displays excellent selectivity over rGAT-2, hGAT-3 and hBGT-1, and other neurotransmitter receptors. NNC-711 inhibits synaptosomal (IC<sub>50</sub>=47 nM), neuronal (IC<sub>50</sub>=1238 nM) and glial (IC<sub>50</sub>=636 nM) GABA uptake in vitro. NNC-711 demonstrates potent anticonvulsant activity against rodent seizures induced by DMCM.

## References

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

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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