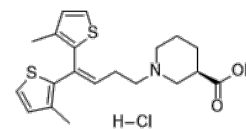


Product Name : Tiagabine hydrochloride
Cat. No. : PC-24080
CAS No. : 145821-59-6
Molecular Formula : C₂₀H₂₆ClNO₂S₂
Molecular Weight : 412.00
Target : GABA Transporter (GAT)
Solubility : 10 mM in DMSO



Biological Activity

Tiagabine hydrochloride is an anticonvulsant agent and selective inhibitor of GABA transporter 1 (GAT1) with K_i of 0.1 μ M, potently and selectively inhibits GABA reuptake with IC_{50} of 67, 446 and 182 nM for [3H]GABA uptake in synaptosomes, neurons and glia, respectively.

References

- Braestrup C, et al. *J Neurochem.* 1990 Feb;54(2):639-47.
Henjum S, *Neurochem Int.* 2007 Jan;50(2):365-70.
Sheehan DV, et al. *Psychopharmacol Bull.* 2007;40(3):32-40.

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

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