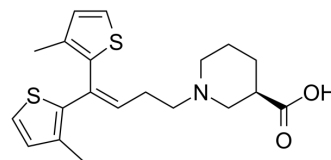


## Tiagabine

Cat. No.:	HY-B0696
CAS No.:	115103-54-3
Molecular Formula:	C <sub>20</sub> H <sub>25</sub> NO <sub>2</sub> S <sub>2</sub>
Molecular Weight:	375.55
Target:	GABA Receptor
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Tiagabine (NO050328) is a potent and selective GABA reuptake inhibitor, used as an anticonvulsant agent, with IC<sub>50</sub>s of 67, 446 and 182 nM for [<sup>3</sup>H]GABA uptake in Synaptosomes, Neurons and Glia, respectively<sup>[1]</sup>.

### REFERENCES

- [1]. Braestrup C, et al. (R)-N-[4,4-bis(3-methyl-2-thienyl)but-3-en-1-yl]nipecotic acid binds with high affinity to the brain gamma-aminobutyric acid uptake carrier. *J Neurochem.* 1990 Feb;54(2):639-47.
- [2]. Sheehan, D.V., et al., An open-label study of tiagabine in panic disorder. *Psychopharmacol Bull*, 2007. 40(3): p. 32-40.
- [3]. Henjum, S. and B. Hassel, High-affinity GABA uptake and GABA-metabolizing enzymes in pig forebrain white matter: a quantitative study. *Neurochem Int*, 2007. 50(2): p. 365-70.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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