



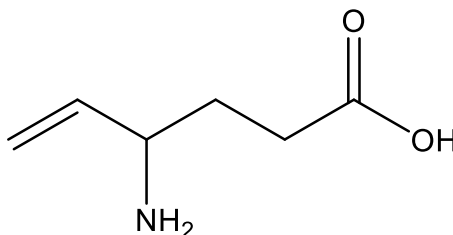
Catalog #10-3534

Vigabatrin

CAS# 68506-86-5

4-Aminohex-5-enoic acid (racemic); γ -Vinyl GABA

Lot # E106429



Vigabatrin is a selective GABA transaminase (GABA-T) inhibitor thus increasing brain and CSF GABA levels.¹ It prevents the development of morphine tolerance in mice.² Displays analgesic effects in the acute thermal pain model in mice.³ It is a clinically useful anti-seizure agent.⁴

- 1) Larsson *et al.* (1986), *Differential effect of gamma-vinyl GABA and valproate on GABA-transaminase from cultured neurones and astrocytes*; *Neuropharmacology* **25** 617
- 2) Chavooshi *et al.* (2009), *Vigabatrin attenuates the development and expression of tolerance to morphine-induced antinociception in mice*; *Pharmacol. Biochem. Behav.* **93** 155
- 3) Jarogniew *et al.* (2008), *Dose-response relationship analysis of vigabatrin doses and their antinociceptive effects in the hot-plate test in mice*; *Pharmacol. Rep.* **60** 409
- 4) Ring *et al.* (1990), *Vigabatrin: rational treatment for chronic epilepsy*; *J. Neurol. Neurosurg. Psychiatry* **18** 14085

PHYSICAL DATA

Molecular Weight:	129.16
Molecular Formula:	C ₆ H ₁₁ NO ₂
Purity:	>98% (NMR/TLC)
	NMR: (Conforms)
Solubility:	Water (20 mg/mL)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in water may be stored at -20°C for up to 1 month.

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