

Vigabatrin

Catalog No: tcsc0791



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

68506-86-5

Formula:

$C_6H_{11}NO_2$

Pathway:

Neuronal Signaling;Membrane Transporter/Ion Channel

Target:

GABA Receptor;GABA Receptor

Purity / Grade:

>98%

Solubility:

H2O : \geq 52 mg/mL (402.60 mM)

Alternative Names:

γ -Vinyl-GABA

Observed Molecular Weight:

129.16

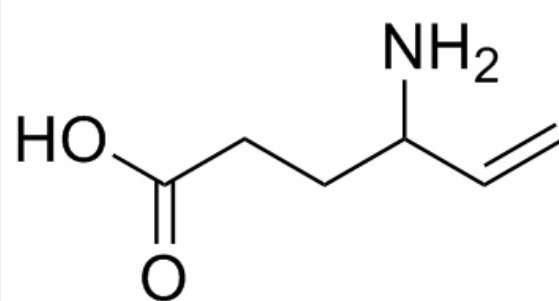
Product Description

Vigabatrin(γ -Vinyl-GABA; Sabril) is a structural analog of the inhibitory neurotransmitter γ -aminobutyric acid (GABA) that irreversibly inhibits the catabolism of GABA by GABA transaminase.

IC₅₀ value:

Target: GABA transaminase

Clinical studies have shown that vigabatrin is superior to placebo in decreasing the frequency of infantile spasms. In tuberous sclerosis, vigabatrin may be considered the first-line treatment for IS. The mode of action is increasing concentrations of the inhibitory neurotransmitter GABA in the brain. A significant increase in seizure threshold was observed following systemic (i.p.) administration of high (600 or 1200 mg/kg) doses of vigabatrin. Bilateral microinjection of vigabatrin (10 μ g) into either the anterior or posterior SNr also increased seizure threshold, but less markedly than systemic treatment.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!