

# Vigabatrin (Hydrochloride)

Catalog No: tcsc2750



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg



## Specifications

**CAS No:**

1391054-02-6

**Formula:**

$C_6H_{12}ClNO_2$

**Pathway:**

Neuronal Signaling;Membrane Transporter/Ion Channel

**Target:**

GABA Receptor;GABA Receptor

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 27.5 mg/mL (166.04 mM; Need ultrasonic and warming)

**Alternative Names:**

γ-Vinyl-GABA hydrochloride

**Observed Molecular Weight:**

165.62

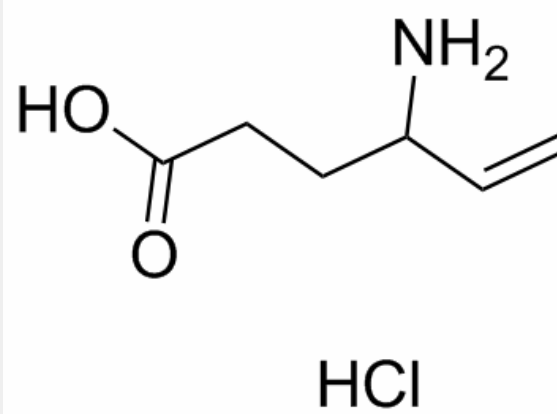
## Product Description

Vigabatrin HCl( $\gamma$ -Vinyl-GABA; Sabril) is a structural analog of the inhibitory neurotransmitter  $\gamma$ -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  $\mu$ 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!