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产品名称: **Vigabatrin**
产品别名: **氨基烯酸; γ -Vinyl-GABA**

生物活性:				
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.			
Solvent&Solubility	In Vitro: H₂O : 50 mg/mL (387.12 mM; Need ultrasonic)			
		<div>Solvent Mass Concentration</div>	1 mg	5 mg
	Preparing	1 mM	7.7423 mL	38.7117 mL
	Stock Solutions	5 mM	1.5485 mL	7.7423 mL
		10 mM	0.7742 mL	3.8712 mL
*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液。一旦配成溶液, 请分装保存, 避免反复冻融造成的产品失效。 储备液的保存方式和期限: -80°C, 6 months; -20°C, 1 month。 -80°C 储存时, 请在 6 个月内使用, -20°C 储存时, 请在 1 个月内使用。				
References	[1]. Broeer, et al. Vigabatrin for focal drug delivery in epilepsy: Bilateral microinfusion into the subthalamic nucleus is more effective than intranigral or systemic administration in a rat seizure model. <i>Neurobiology of Disease</i> (2012), 46(2), 362-376. [2]. Gaily, Eija Vigabatrin monotherapy for infantile spasms. <i>Expert Review of Neurotherapeutics</i> (2012), 12(3), 275-286. [3]. Russo, et al. Vigabatrin has antiepileptogenic and antidepressant effects in an animal model of epilepsy and depression comorbidity. <i>Behavioural Brain Research</i> (2011), 225(1), 373-376. [4]. Vigabatrin			