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产品名称: 舒布硫胺

产品别名: **Sulbutiamine; Bisibuthiamine**

生物活性:				
Description	Sulbutiamine is a highly lipid soluble synthetic analogue of vitamin B1, used for the treatment of asthenia.			
In Vitro	Sulbutiamine shows neuroprotective effects on hippocampal CA1 pyramidal neurons subjected to oxygen-glucose deprivation. Sulbutiamine enhances electrophysiological properties such as excitatory synaptic transmissions and intrinsic neuronal membrane input resistance in a concentration-dependent manner[1]. Sulbutiamine attenuates apoptotic cell death induced by serum deprivation and stimulates GSH and GST activity in a dose dependent manner. Furthermore, sulbutiamine decreases the expression of cleaved caspase-3 and AIF[2].			
Solvent&Solubility	In Vitro: DMSO : ≥ 75 mg/mL (106.70 mM) * " $\geq$ " means soluble, but saturation unknown.			
	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg
		1 mM	1.4227 mL	7.1135 mL
		5 mM	0.2845 mL	1.4227 mL
		10 mM	0.1423 mL	0.7113 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]. Kwag J, et al. Evidence for neuroprotective effect of sulbutiamine against oxygen-glucose deprivation in rat hippocampal CA1 pyramidal neurons. Biol Pharm Bull. 2011;34(11):1759-64. [2]. Kang KD, et al. Sulbutiamine counteracts trophic factor deprivation induced apoptotic cell death in transformed retinal ganglion cells. Neurochem Res. 2010 Nov;35(11):1828-39.			