

产品名称: **1-Naphthylacetyl Spermine Trihydrochloride**  
 产品别名: **Naspm trihydrochloride**

生物活性:				
<b>Description</b>	Naspm trihydrochloride (1-Naphthylacetyl spermine trihydrochloride), a synthetic analogue of Joro spider toxin, is a calcium permeable AMPA (CP-AMPA) receptors antagonist.			
<b>In Vitro</b>	NASPM selectively suppresses the inwardly rectifying and Ca <sup>2+</sup> -permeable AMPA receptors expressed in type II neurons. It has no effect on AMPA receptors in type I neurons. At -60 mV, NASPM suppresses AMPA receptors in type II neurons with an IC <sub>50</sub> value of 0.33 μM. The blocking effect of NASPM on the Ca <sup>2+</sup> -permeable AMPA receptors is use and voltage-dependent[1].			
<b>Solvent&amp;Solubility</b>	<b><i>In Vitro:</i></b> <b>DMSO : 6.4 mg/mL (13.34 mM; Need ultrasonic)</b> <b>H<sub>2</sub>O : 50 mg/mL (104.19 mM; Need ultrasonic)</b>			
	<div> <div>Solvent</div> <div>Mass</div> <div>Concentration</div> </div>			
		<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
<b>Preparing Stock Solutions</b>	1 mM	2.0837 mL	10.4186 mL	20.8372 mL
	5 mM	0.4167 mL	2.0837 mL	4.1674 mL
	10 mM	0.2084 mL	1.0419 mL	2.0837 mL
<p>*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。</p> <p>储备液的保存方式和期限: -80℃, 6 months; -20℃, 1 month。 -80℃ 储存时，请在 6 个月内使用，-20℃ 储存时，请在 1 个月内使用。</p>				
<b>References</b>	[1]. Koike M, et al. Blocking effect of 1-naphthyl acetyl spermine on Ca <sup>2+</sup> -permeable AMPA receptors in cultured rat hippocampal neurons. <u>Neurosci Res.</u> 1997 Sep;29(1):27-36.			

源叶生物