

产品名称：神经激肽 A

产品别名：Neurokinin A;  $\alpha$ -Neurokinin; Neuromedin L; Substance K

生物活性:																												
<b>Description</b>	Neurokinin A acts via neurokinin 2 (NK-2) receptor.																											
<b>IC<sub>50</sub> &amp; Target</b>	NK-2 receptor[1]																											
<b>In Vitro</b>	Neurokinin A (substance K) is a peptide neurotransmitter of the tachykinin family with potential as a major mediator in human airway and gastrointestinal tissues. Neurokinin A acts via the NK-2 receptor believed to be localized on smooth muscle cells and pharmacologically coupled to a GTP-binding protein. Neurokinin A is a member of a family of peptide neurotransmitters known as tachykinins. These peptides are associated with the central and peripheral nervous systems and display a wide tissue distribution. Tachykinins share the COOH-terminal structure Phe-X-Gly-Leu-Met-NH. The best known members of this family are Substance P and Neurokinin A or Substance K[1].																											
<b>Solvent&amp;Solubility</b>	<b><i>In Vitro:</i></b> <b>H<sub>2</sub>O : <math>\geq</math> 60 mg/mL (52.94 mM)</b> * " $\geq$ " means soluble, but saturation unknown.																											
		<table border="1"> <thead> <tr> <th>Solvent</th> <th>Mass</th> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing</td> <td>Concentration</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 mM</td> <td>0.8824 mL</td> <td>4.4118 mL</td> <td>8.8236 mL</td> </tr> <tr> <td>5 mM</td> <td>0.1765 mL</td> <td>0.8824 mL</td> <td>1.7647 mL</td> </tr> <tr> <td rowspan="2">Stock Solutions</td> <td>10 mM</td> <td>0.0882 mL</td> <td>0.4412 mL</td> <td>0.8824 mL</td> </tr> </tbody> </table>	Solvent	Mass	1 mg	5 mg	10 mg	Preparing	Concentration				1 mM	0.8824 mL	4.4118 mL	8.8236 mL	5 mM	0.1765 mL	0.8824 mL	1.7647 mL	Stock Solutions	10 mM	0.0882 mL	0.4412 mL	0.8824 mL			
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<b>References</b>	[1]. Gerard NP, et al. The human neurokinin A (substance K) receptor. Molecular cloning of the gene, chromosome localization, and isolation of cDNA from tracheal and gastric tissues. <i>J Biol Chem.</i> 1990 Nov 25;265(33):20455-62.																											

源叶生物