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产品名称: (3R,5S,7AS)-[3,5-二(4-氟苯基)四氢-1H-恶唑并[3,4-C]恶唑-7A-基]甲醇

产品别名: TH-237A; meso-GS 164

生物活性:																													
<b>Description</b>	<p>TH-237A(meso-GS 164) is a novel neuroprotective agent exhibiting favorable permeation across the blood brain barrier. IC50 value: 5 nM (EC50, concentration that leads to a 50% increase in neuronal survival in the presence of the A<math>\beta</math> peptides) Target: Primary neurons were isolated from embryonic Sprague-Dawley rats, grown in culture (Michaelis et al., 1994) and exposed to either A<math>\beta</math>25-35 or A<math>\beta</math>1-42 in the presence or absence of TH-237A at concentrations ranging from 0.5 to 60 nM. The neurons were treated with TH-237A for 2 hours prior to exposure to the A<math>\beta</math> peptides. Changes in neuronal survival following treatment with TH 237A were evaluated using the Live/Dead assay. The EC50 for TH-237A was 5 nM, demonstrating that it had excellent neuroprotective properties.</p>																												
<b>Solvent&amp;Solubility</b>	<p><b>In Vitro:</b>            DMSO : <math>\geq</math> 46 mg/mL (138.00 mM)            * "z" means soluble, but saturation unknown.</p>																												
	<b>Preparing Stock Solutions</b>	<table border="1"> <thead> <tr> <th style="text-align: center;">Solvent</th> <th style="text-align: center;">Mass</th> <th colspan="3"></th> </tr> <tr> <th colspan="2" style="text-align: center;">Concentration</th> <th style="text-align: center;">1 mg</th> <th style="text-align: center;">5 mg</th> <th style="text-align: center;">10 mg</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="text-align: center;">1 mM</td> <td style="text-align: center;">3.0000 mL</td> <td style="text-align: center;">15.0002 mL</td> <td style="text-align: center;">30.0003 mL</td> </tr> <tr> <td colspan="2" style="text-align: center;">5 mM</td> <td style="text-align: center;">0.6000 mL</td> <td style="text-align: center;">3.0000 mL</td> <td style="text-align: center;">6.0001 mL</td> </tr> <tr> <td colspan="2" style="text-align: center;">10 mM</td> <td style="text-align: center;">0.3000 mL</td> <td style="text-align: center;">1.5000 mL</td> <td style="text-align: center;">3.0000 mL</td> </tr> </tbody> </table>	Solvent	Mass				Concentration		1 mg	5 mg	10 mg	1 mM		3.0000 mL	15.0002 mL	30.0003 mL	5 mM		0.6000 mL	3.0000 mL	6.0001 mL	10 mM		0.3000 mL	1.5000 mL	3.0000 mL		
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<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。            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。</p>																													
<b>References</b>	<p>[1]. Kelly E. Desino, Improving Blood Brain Barrier Permeation of Small Molecules Exhibiting Chemotherapeutic and Neuroprotective Effects.</p>																												