



上海源叶生物科技有限公司  
 Shanghai yuanye Bio-Technology Co., Ltd  
 电话: 021-61312973 传真: 021-55068248  
 网址: www.shyuanye.com  
 邮箱: shyysw@sina.com

产品名称: 甲磺酸卡莫司他  
 产品别名: **Camostat mesylate**

生物活性:																													
<b>Description</b>	<p>Camostat Mesylate(FOY305; FOY-S980) is a trypsin-like protease inhibitor Target: Trypsin-like protease            Camostat mesilate (500 mM) inhibits generation of TGF-beta by suppressing plasmin activity and reduces the activity of TGF-beta, which blocks in vitro activation of HSCs [1]. Camostat mesilate (20 mM) combined with insulin results a significant hypoglycemic effect following large intestinal administration. Camostat mesilate (20 mM) is effective in reducing insulin degradation in both small and large intestinal homogenates of rats [2]. Camostat mesilate (2 mM) inhibits MCP-1 and TNF- production in activated rat monocytes. Camostat mesilate (2 mM) inhibits proliferation and MCP-1 production of cultured rat PSCs. Camostat mesilate (1 mg/g) prevents pancreatic atrophy and improves pancreatic exocrine function of rat chronic pancreatitis induced by DBTC. Camostat mesilate (1 mg/g) inhibits chronic inflammation and pancreatic fibrosis induced by DBTC. Camostat mesilate (1 mg/g) inhibits the development of pancreatic fibrosis and PSCs activation in the pancreas induced by DBTC. Camostat mesilate (1 mg/g) suppresses monocytes infiltration and inhibits MCP-1 expression both in serum and in pancreatic tissue [3].</p>																												
<b>Solvent&amp;Solubility</b>	<p><b>In Vitro:</b>  <b>H<sub>2</sub>O : ≥ 50 mg/mL (101.11 mM)</b>            * "≥" means soluble, but saturation unknown.</p>																												
	<b>Preparing</b>	<table border="1"> <thead> <tr> <th style="text-align: center;">Solvent</th> <th style="text-align: center;">Mass</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> <tr> <th colspan="2" style="text-align: center;">Concentration</th> <td></td> <td></td> <td></td> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1 mM</td> <td></td> <td style="text-align: center;">2.0222 mL</td> <td style="text-align: center;">10.1108 mL</td> <td style="text-align: center;">20.2216 mL</td> </tr> <tr> <td style="text-align: center;">5 mM</td> <td></td> <td style="text-align: center;">0.4044 mL</td> <td style="text-align: center;">2.0222 mL</td> <td style="text-align: center;">4.0443 mL</td> </tr> <tr> <td style="text-align: center;">10 mM</td> <td></td> <td style="text-align: center;">0.2022 mL</td> <td style="text-align: center;">1.0111 mL</td> <td style="text-align: center;">2.0222 mL</td> </tr> </tbody> </table>	Solvent	Mass	1 mg	5 mg	10 mg	Concentration					1 mM		2.0222 mL	10.1108 mL	20.2216 mL	5 mM		0.4044 mL	2.0222 mL	4.0443 mL	10 mM		0.2022 mL	1.0111 mL	2.0222 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]. Okuno, M., et al., Prevention of rat hepatic fibrosis by the protease inhibitor, camostat mesilate, via reduced generation of active TGF-beta. Gastroenterology, 2001. 120(7): p. 1784-800.            [2]. Yamamoto, A., et al., Effects of various protease inhibitors on the intestinal absorption and degradation of insulin in rats. Pharm Res, 1994. 11(10): p. 1496-500.            [3]. Gibo, J., et al., Camostat mesilate attenuates pancreatic fibrosis via inhibition of monocytes and pancreatic stellate cells activity. Lab Invest, 2005. 85(1): p. 75-89.</p>																												