Camostat mesylate

Cat. No.: HY-13512
CAS No.: 59721-29-8
Molecular Formula: C₂₁H₂₆N₄O₈S
Molecular Weight: 494.52
Target: Others
Pathway: Others
Storage: Powder
-20°C 3 years
4°C 2 years
In solvent
-80°C 6 months
-20°C 1 month

SOLVENT & SOLUBILITY

In Vitro
H₂O : ≥ 50 mg/mL (101.11 mM)
* “≥” means soluble, but saturation unknown.

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Mass (g)</th>
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</thead>
<tbody>
<tr>
<td>1 mg</td>
<td>2.0222 mL</td>
</tr>
<tr>
<td>5 mg</td>
<td>10.1108 mL</td>
</tr>
<tr>
<td>10 mg</td>
<td>20.2216 mL</td>
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</table>

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description
Camostat Mesylate (FOY305; FOY-S980) is a trypsin-like protease inhibitor. Target: Trypsin-like protease Camostat mesylate (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].
REFERENCES

