Camostat mesylate, Serine protease inhibitor ab145709

Overview

**Product name**  
Camostat mesylate, Serine protease inhibitor

**Description**  
Orally active serine protease inhibitor

**Biological description**  
Trypsin-like protease inhibitor. Reversibly inhibits airway epithelial sodium channel (ENaC) function (IC\textsubscript{50} = 50 nM). Inhibits the production of TNF-α and monocyte chemoattractant protein-1 (MCP-1) by monocytes and disrupts proliferation of pancreatic stellate cells in a rat model of pancreatic fibrosis.

**Purity**  
> 99%

**CAS Number**  
59721-29-8

**Chemical structure**

![Chemical structure of Camostat mesylate](image)

**Chemical name**  
[4-[[2-{(Dimethylamino)-2-oxoethoxy}-2-oxoethyl]phenyl] 4-(diaminomethylideneamino)benzoate methanesulfonate

**Molecular weight**  
494.52

**Molecular formula**  
C\textsubscript{20}H\textsubscript{22}N\textsubscript{4}O\textsubscript{5}.CH\textsubscript{4}O\textsubscript{3}S

**Storage instructions**  
Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.

**Solubility overview**  
Soluble in DMSO to 100 mM and in water to 10 mM

**Handling**  
Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

**Source**  
Synthetic
Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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