



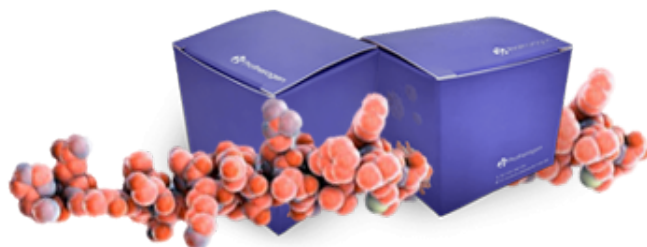
Camostat mesilate

Cat. No.:	OB0225WX-2532
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and HPLC.
Size:	10 mg; 50 mg; 100 mg; 200 mg; 1 g

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Camostat is a trypsin-like protease inhibitor that modulates airway epithelial sodium channel (ENaC) function (IC ₅₀ : 50 nM) and targets matriptase and prostasin .
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Synonym	FOY-305; FOY-S980; 59721-29-8; Camostat mesylate; Foipan; Camostat (mesylate); Camostat Methanesulfonate; FOY 305; MFCD00941410; 4-(2-(2-(dimethylamino)-2-oxoethoxy)-2-oxoethyl)phenyl 4-guanidinobenzoate methanesulfonate; Methanesulfonic acid 4-{2-[(dimethylcarbamoyl)methoxy]-2-oxoethyl}phenyl 4-carbamimidamidobenzoate; foipan; Camostat-mesilate; p-(p-Guanidinobenzoyloxy)phenyl acetic acid, N,N-dimethylcarbamoylmethyl ester; NCGC00167526-01; 4-[[4-[(Aminoiminomethyl)amino]benzoyl]oxy]benzeneacetic Acid 2-(Dimethylamino)-2-oxoethyl Ester Methanesulfonate; Foistar; Foipan mesylate; FOY S 980; 4-(2-(2-(dimethylamino)-2-oxoethoxy)-2-oxoethyl)phenyl 4-carbamimidamidobenzoate methanesulfonate; 4-{2-[2-(dimethylamino)-2-oxoethoxy]-2-oxoethyl}phenyl 4-carbamimidamidobenzoate methanesulfonate; amino{4-[(4-(2-(2-(dimethylamino)-2-oxoethoxy)-2-oxoethyl)phenoxy)carbonyl)anilino]methaniminium methanesulfonate; amino{4-[(4-{2-[2-(dimethylamino)-2-oxoethoxy]-2-oxoethyl}phenoxy)carbonyl]anilino}methaniminium methanesulfonate; Camostat methanesulfate; Benzeneacetic acid, 4-((4-((aminoiminomethyl)amino)benzoyl)oxy)-, 2-(dimethylamino)-2-oxoethyl ester, monomethanesulfonate; 4-(2-(2-(dimethylamino)-2-oxoethoxy)-2-oxoethyl)phenyl 4-guanidinobenzoate methanesulfonate; Dimethylcarbamoylmethyl 4-(4-guanidinobenzoyloxy)phenylacetate monomethanesulfonate; N,N-dimethylcarbamoylmethyl 4-(4-guanidinobenzoyloxy)phenylacetate methanesulfate
CAS No.	59721-29-8
Compound CID	5284360
Formula	C ₂₀ H ₂₂ N ₄ O ₅ ·CH ₄ O ₃₅
Formula Weight	494.52

Specification

IUPAC Name	[4-[2-[2-(Dimethylamino)-2-oxoethoxy]-2-oxoethyl]phenyl] 4-(diaminomethylideneamino)benzoate; methanesulfonic acid
InChI	InChI=1S/C20H22N4O5.CH4O3S/c1-24(2)17(25)12-28-18(26)11-13-3-9-16(10-4-13)29-19(27)14-5-7-15(8-6-14)23-20(21)22;1-5(2,3)4/h3-10H,11-12H2,1-2H3,(H4,21,22,23);1H3,(H,2,3,4)
InChI Key	FSEKIHNBATFG-UHFFFAOYSA-N
SMILES string	CN(C)C(=O)COC(=O)CC1=CC=C(C=C1)OC(=O)C2=CC=C(C=C2)N=C(N)N.CS(=O)(=O)O
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	Camostat mesilate is applied in virology and gastroenterology research as a potent serine protease inhibitor to study the blockage of viral entry mechanisms and the suppression of pancreatic enzyme activation.

Library Information

Target	Sodium channel
Receptor	Sodium channel
Pathways	Transmembrane transporters
Plate Number	L6700-05
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	99 mg/mL; 200.19 mM
Water Max Solubility	10 mg/mL; 20.22 mM
ALogP	0.969
HBA_Count	5
HBD_Count	2
Rotatable Bond	10