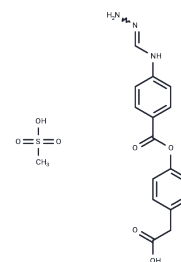


FOY 251

Chemical Properties

CAS No. : 71079-09-9
 Formula: C₁₇H₁₉N₃O₇S
 Molecular Weight: 409.41
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	FOY 251 is a proteinase inhibitor, and is an anti-proteolytic active metabolite camostate.
Targets(IC50)	SARS-CoV, Serine Protease, Serine/threonin kinase
In vitro	FOY-251, an active metabolite of camostat mesilate, on sodium transport in the mouse cortical collecting duct cell line (M-1 cells) and on blood pressure in Dahl salt-sensitive rats. Treatment with camostat mesilate or FOY-251 decreased equivalent current (I _{eq}) in M-1 cells in a dose-dependent manner and inhibited the protease activity of prostaticin in vitro[1].

Solubility Information

Solubility	DMSO: 25 mg/mL (61.06 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL (4.89 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4425 mL	12.2127 mL	24.4254 mL
5 mM	0.4885 mL	2.4425 mL	4.8851 mL
10 mM	0.2443 mL	1.2213 mL	2.4425 mL
50 mM	0.0489 mL	0.2443 mL	0.4885 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Maekawa A , Kakizoe Y , Miyoshi T , et al. Camostat mesilate inhibits prostatic activity and reduces blood pressure and renal injury in salt-sensitive hypertension[J]. Journal of Hypertension, 2009, 27(1):181.

K Beckh, et al. Elimination of the Low-Molecular Weight Proteinase Inhibitor Camostat (FOY 305) and Its Degradation Products by the Rat Liver. Res Exp Med (Berl). 1987;187(6):401-6.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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