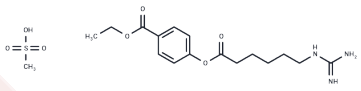
Data Sheet (Cat.No.T0372)

TargetMol

Gabexate mesylate

Chemical Properties



CAS No. : 56974-61-9

Formula: C17H27N3O7S

Molecular Weight: 417.48

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	Gabexate mesylate (FOY) is a serine proteinase inhibitor used therapeutically in the treatment of pancreatitis, disseminated intravascular coagulation (DIC), and as a regional anticoagulant for hemodialysis. The drug inhibits the hydrolytic effects of thrombin, plasmin, and kallikrein, but not of chymotrypsin and aprotinin.
Targets(IC50)	Factor Xa,Proteasome,Serine Protease

Solubility Information

Solubility	DMSO: 55 mg/mL (131.74 mM),Sonication is recommended. H2O: 17.1 mM,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.79 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3953 mL	11.9766 mL	23.9532 mL
5 mM	0.4791 mL	2.3953 mL	4.7906 mL
10 mM	0.2395 mL	1.1977 mL	2.3953 mL
50 mM	0.0479 mL	0.2395 mL	0.4791 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

Erba F, et al. Biochem Pharmacol. 2001 Feb 1;61(3):271-6.

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