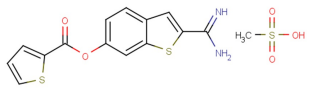
Data Sheet (Cat.No.T13567)

TargetMol
A DRUG SCREENING EXPERT

BCX 1470 methanesulfonate

Chemical Properties



CAS No.:	217099-44-0
Formula:	C15H14N2O5S3
Molecular Weight:	398.48
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	BCX 1470 methanesulfonate inhibits the esterolytic activity of factor D and C1s (IC50: 96 nM and 1.6 nM), 3.4- and 200-fold better than that of trypsin, respectively.
Targets(IC_{50})	Factor D: 96 nM C1s: 1.6 nM Trypsin: 326 nM
In vitro	BCX 1470 methanesulfonate is an inhibitor serine protease. BCX 1470 blocks the esterolytic and hemolytic activities of the complement enzymes Cls and factor D in vitro.
In vivo	BCX 1470 methanesulfonate blocked the development of RPA-induced edema in the rat.

Solubility Information

Solubility	DMSO: 33.33 mg/mL (83.64 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.51 mL	12.548 mL	25.095 mL
5 mM	0.502 mL	2.51 mL	5.019 mL
10 mM	0.251 mL	1.255 mL	2.51 mL
50 mM	0.05 mL	0.251 mL	0.502 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Szalai, Alexander J.; Digerness, Stanley B.; et al.; The Arthus Reaction in Rodents: Species-Specific Requirement of ComplementJournal of Immunology, 2000, 164, 463-468

2. Szalai AJ, Digerness SB, Agrawal A, Kearney JF, Bucy RP, Niwas S, Kilpatrick JM, Babu YS, Volanakis JE.The Arthus reaction in rodents: species-specific requirement of complement.J Immunol. 2000 Jan 1;164(1):463-8.

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