

Product Data Sheet

Product Name: BCX 1470 methanesulfonate

Cat. No.: GC35482

Chemical Properties

Cas. No. 217099-44-0

SMILES N=C(C1=CC2=CC=C(OC(C3=CC=CS3)=O)C=C2S1)N.O=S(O)(C)=O

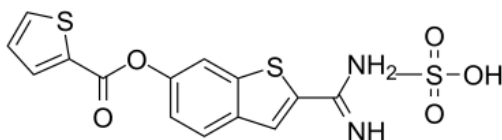
Formula $C_{15}H_{14}N_2O_5S_3$ M.Wt 398.48

Solubility DMSO: ≥ 33.33 mg/mL (83.64 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

BCX 1470 methanesulfonate inhibits the esterolytic activity of factor D ($\text{IC}_{50}=96$ nM) and C1s ($\text{IC}_{50}=1.6$ nM), 3.4- and 200-fold better, respectively, than that of trypsin. IC_{50} Value: 96 nM (Factor D); 1.6 nM (C1s); 326 nM (Trypsin) [1] Target: Factor D; C1s. BCX 1470 is a serine protease inhibitor. BCX 1470 blocks the esterolytic and hemolytic activities of the complement enzymes C1s and factor D in vitro, also blocked development of RPA-induced edema in the rat.

Caution: Product has not been fully validated for medical applications. For research use only.

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[1]. Szalai, Alexander J.; Digerness, Stanley B.; et al.; The Arthus Reaction in Rodents: Species-Specific Requirement of Complement *Journal 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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