

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

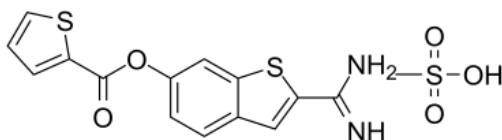
Formula C15H14N2O5S3 M.Wt 398.48

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 (IC₅₀=96 nM) and C1s (IC₅₀=1.6 nM), 3.4- and 200-fold better, respectively, than that of trypsin. IC₅₀ Value: 96 nM (Factor D); 1.6 nM (C1s); 326 nM (Trypsin) [1] Target: Factor D; C1s BCX 1470 is serine protease inhibitor. BCX 1470 blocks the esterolytic and hemolytic activities of the complement enzymes CIs 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.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

[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.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA