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**Product Data Sheet**

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Product Name: BCX 1470

Cat. No.: GC35481

**Chemical Properties**

Cas. No. 217099-43-9

SMILES N=C(C1=CC2=CC=C(OC(C3=CC=CS3)=O)C=C2S1)NFormula  $C_{14}H_{10}N_2O_2S_2$  M.Wt 302.37

Solubility Soluble in DMSO 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 inhibits the esterolytic activity of factor D (IC<sub>50</sub>=96 nM) and C1s (IC<sub>50</sub>=1.6 nM), 3.4- and 200-fold better, respectively, than that of trypsin. IC<sub>50</sub> Value: 96 nM (Factor D); 1.6 nM (C1s); 326 nM (Trypsin) [1] Target: Factor D; C1s BCX 1470 (Thrombin inhibitor) is serine protease inhibitor. BCX 1470 (Thrombin inhibitor) 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.

[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

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

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