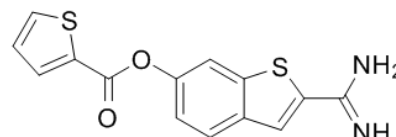


Product Name	: BCX-1470
Cat. No.	: PC-45881
CAS No.	: 217099-43-9
Molecular Formula	: $C_{14}H_{10}N_2O_2S_2$
Molecular Weight	: 302.3714
Target	: Complement System
Solubility	: 10 mM in DMSO



Biological Activity

BCX-1470 (BCX1470) is a serine protease inhibitor that inhibits the esterolytic activity of **factor D** (IC₅₀=96 nM) and **C1s** (IC₅₀=1.6 nM).

BCX-1470 displays 3.4-fold and 200-fold better than that of trypsin, respectively.

BCX-1470 inhibits esterolytic activity translates into potent inhibition of the proteolytic activity of C1s, factor D, and consequently of the classical and alternative pathway-mediated hemolysis of target RBC (IC₅₀=46 nM and 330 nM, respectively).

BCX-1470 blocks the reverse passive Arthus (RPA) reaction in rats.

References

Szalai AJ, et al. *J Immunol*. 2000 Jan 1;164(1):463-8.

Babu, Y. S, et al. Patent No. WO 98/55471.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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