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Data Sheet

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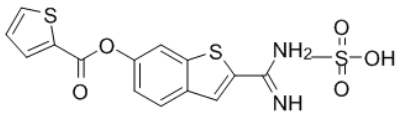
Product Name : BCX-1470 methanesulfonate
Cat. No. : PC-45882
CAS No. : 217099-44-0
Molecular Formula : $C_{15}H_{14}N_2O_5S_3$
Molecular Weight : 398.4771
Target : Complement System
Solubility : 10 mM in DMSO



Biological Activity

BCX-1470 methanesulfonate is a potent serine protease inhibitor that inhibits the esterolytic activity of **factor D** (IC50=96 nM) and **C1s** (IC50=1.6 nM).
BCX-1470 methanesulfonate displays 3.4-fold and 200-fold bette than that of trypsin, respectively.
BCX-1470 methanesulfonate 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 methanesulfonate 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!

E-mail: tech@probechem.com