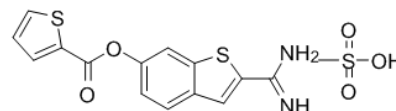


**Product Name** : BCX-1470 methanesulfonate  
**Cat. No.** : PC-45882  
**CAS No.** : 217099-44-0  
**Molecular Formula** : C<sub>15</sub>H<sub>14</sub>N<sub>2</sub>O<sub>5</sub>S<sub>3</sub>  
**Molecular Weight** : 398.4771  
**Target** : Complement System  
**Solubility** : 10 mM in DMSO



## Biological Activity

BCX-1470 methanesulfonate is a potent serine protease inhibitor that inhibits the esterolytic activity of factor D (IC<sub>50</sub>=96 nM) and C1s (IC<sub>50</sub>=1.6 nM).

BCX-1470 methanesulfonate displays 3.4-fold and 200-fold better 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 (IC<sub>50</sub>=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!**

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