

**Product Name** : BCX-1470 methanesulfonate

**Synonyms** : BCX-1470

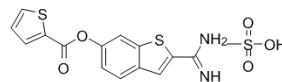
**Cat No.** : M13471

**CAS Number** : 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>

**Formula Weight** : 398.48

**Chemical Name** : 2-Thiophenecarboxylic acid, 2-(aminoiminomethyl)benzo[b]thiophen-6-yl ester, methanesulfonate (1:1)



**Description** : A 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); displays 3.4-fold and 200-fold better than that of trypsin, respectively; 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); blocks the reverse passive Arthus (RPA) reaction in rats. Thrombosis Phase 1 Discontinued

**Pathway** : Immunology/Inflammation

**Target** : Complement System

**Receptor** : Complement System

**Solubility** : 10 mM in DMSO

**SMILES** : CS(=O)(=O)O.C1=CSC(=C1)C(=O)OC2=CC3=C(C=C2)C=C(S3)C(=N)N

**Storage** : (-20°C)

**Stability** : ≥ 2 years

**Reference** :

1. Szalai AJ, et al. J Immunol. 2000 Jan 1;164(1):463-8. 2. Babu, Y. S, et al. Patent No. WO 98/55471.