

Product Name : BCX-1470

Synonyms : BCX 1470; BCX1470

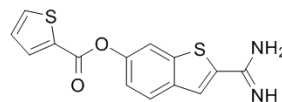
Cat No. : M13470

CAS Number : 217099-43-9

Molecular Formula : C₁₄H₁₀N₂O₂S₂

Formula Weight : 302.37

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



Description : 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); 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 (IC₅₀=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 : 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.