
BC-LI-0186

产品编号: D58614

CAS: 695207-56-8

分子式: C₂₂H₂₇N₃O₄S

纯度: 99.17%

InChi Key: InChiKey=SQYWMHPZMHDCHP-UHFFFAOYSA-N

Smiles: CC(C)C(C1=O)=C(C)N(C)N1c(cc1)ccc1S(NCCOc1ccccc1)(=O)=O

外观: 固体粉末

作用通路: Others

作用靶点: Others

溶解性: DMSO:100 mg/mL (232.81 mM)

保存条件: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

产品介绍: BC-LI-0186 is a potent and selective inhibitor of the interaction of Leucyl-tRNA synthetase (LRS) and Ras-related GTP-binding protein D (RagD) with IC₅₀ of 46.11 nM. BC-LI-0186 competitively binds the RagD interaction site of LRS with K_d of 42.1 nM and has no effect on LRS-vps34, LRS-eprs, RagB-RagD association, mTORC1 complex formation. BC-LI-0186 potently inhibits the activity of tumor-associated MTOR mutants and the growth of rapamycin-resistant cancer cells. BC-LI-0186 can be used for lung cancer-related research.