
BEC HCl

产品编号: D51317

CAS: 222638-67-7

分子式: C₅H₁₃BClNO₄S

纯度: ≥98%

InChi: InChi=1S/C₅H₁₂BNO₄S.ClH/c7-4(5(8)9)3-12-2-1-6(10)11;/h4,10-11H,1-3,7H2,(H,8,9);1H/t4-;/m0./s1

InChi Key: GHPYJLCQYMAXGG-WCCKRBBISA-N

Smiles: Cl.N[C@@H](CSCCB(O)O)C(O)=O

外观: 固体粉末

作用通路: Arginase

溶解性: Soluble in DMSO

保存条件: Store in dry, dark place for one year.

产品介绍: BEC, also known as S-(2-boronoethyl)-L-cysteine, is an a slow-binding and competitive Arginase II inhibitor with K_i of 0.31 μM (ph 7.5). BEC significantly enhances NO-dependent relaxation of human penile corpus cavernosum smooth muscle in vitro at concentrations between 0.1-1.0 mM. S-(2-boronoethyl)-L-cysteine binds to arginase as a transition state analogue and enhances smooth muscle relaxation in human penile corpus cavernosum.