

Oxocarbazate

产品编号: D51638

CAS: 1014405-03-8

分子式: C₂₈H₃₃N₅O₆

纯度: ≥98%

InChi: InChi=1S/C₂₈H₃₃N₅O₆/c1-28(2,3)39-26(36)30-22(15-19-16-29-21-12-6-5-11-20(19)21)25(35)31-32-27(37)38-17-24(34)33-14-8-10-18-9-4-7-13-23(18)33/h4-7,9,11-13,16,22,29H,8,10,14-15,17H₂,1-3H₃, (H,30,36)(H,31,35)(H,32,37)/t22-/m0/s1

InChi Key: MITOFRSPGLYHSJ-QFIPXVFZSA-N

Smiles: CC(C)(C)OC(=O)N[C@@H](CC1=CNC2=CC=CC=C12)C(=O)NNC(=O)OCC(=O)N1CCCC2=CC=CC=C12

外观: 固体粉末

溶解性: Soluble in DMSO

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

产品介绍: Oxocarbazate, also known as CID23631927, is an inhibitor of human cathepsin L. In the cathepsin L inhibition assay, The oxocarbazate caused a time-dependent 17-fold drop in IC₅₀ from 6.9 nM (no preincubation) to 0.4 nM (4-h preincubation). Slowly reversible inhibition was demonstrated in a dilution assay. CID23631927 demonstrate activity in blocking both SARS-CoV (IC₅₀ = 273 nM) and Ebola virus (IC₅₀ = 193 nM) entry into human embryonic. CID 23631927 was a subnanomolar, slow-binding, reversible inhibitor of human cathepsin L that blocked SARS-CoV and Ebola pseudotype virus entry in human cells. Inhibition of cathepsin L thus holds promise for therapeutic intervention for both SARS-CoV and Ebola virus infection.