

XL888

产品编号: D50830

CAS: 1149705-71-4

分子式: C₂₉H₃₇N₅O₃

纯度: ≥98%

InChi: InChI=1S/C₂₉H₃₇N₅O₃/c1-4-17(3)32-25-14-23(16(2)11-24(25)28(30)36)29(37)33-20-12-21-8-9-22(13-20)34(21)26-10-7-19(15-31-26)27(35)18-5-6-18/h7,10-11,14-15,17-18,20-22,32H,4-6,8-9,12-13H2,1-3H3,(H2,30,36)(H,33,37)/t17-,20-,21-,22+/m1/s1

InChi Key: LHGWWAFKVCILM-CIQXWFTPSA-N

Smiles: CC1C=C(C(N)=O)C(=CC=1C(=O)N[C@H]1C[C@@H]2CC[C@H](C1)N2C1C=CC(=CN=1)C(=O)C1CC1)N[C@H](C)CC

外观: 固体粉末

作用通路: HSP

溶解性: DMSO up to 100 mM

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

产品介绍: XL888 is a highly potent, ATP-competitive and orally bioavailable small-molecule inhibitor of heat shock protein 90 (Hsp90) with antineoplastic activity. It specifically binds to Hsp90 with an IC₅₀ of 24 nM. XL888 inhibits HSP90's chaperone function and promotes the proteasomal degradation of oncogenic signaling proteins involved in tumor cell proliferation and survival. In vivo XL888 significantly induces the regression of, or growth inhibition of established M229R and 1205LuR xenografts in SCID mice. XL888 treatment is noted to be proapoptotic in vivo and leads to increased TUNEL staining in M229R xenografts associated with increased expression of BIM and decreased expression of Mcl-1.