
GLPG 0187

产品编号: D51689

CAS: 1320346-97-1

分子式: C₂₉H₃₇N₇O₅S

纯度: ≥98%

InChi: InChI=1S/C₂₉H₃₇N₇O₅S/c1-18-26(31-17-25(29(37)38)35-42(39,40)23-9-7-22(41-3)8-10-23)32-19(2)33-28(18)36-15-12-20(13-16-36)24-11-6-21-5-4-14-30-27(21)34-24/h6-11,20,25,35H,4-5,12-17H₂,1-3H₃, (H,30,34)(H,37,38)(H,31,32,33)/t25-/m0/s1

InChi Key: CXHCNOMGODVIKB-VWLOTQADSA-N

Smiles: CC1N=C(C(C)=C(NC[C@H](NS(=O)(=O)C2C=CC(=CC=2)OC)C(O)=O)N=1)N1CCC(CC1)C1C=CC2CCCNC=2N=1

外观: 固体粉末

作用通路: Integrin

溶解性: Soluble in DMSO, not in water

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

产品介绍: GLPG0187 is a small molecule integrin receptor antagonist (IRA) with potential antineoplastic activity. Upon administration, GLPG0187 binds to and blocks the activity of 5 RGD-integrin receptor subtypes, including α v β 1, α v β 3, α v β 5, α v β 6 and α 5 β 1. This may result in the inhibition of endothelial cell-cell interactions and endothelial cell-matrix interactions, and the prevention of angiogenesis and metastasis in tumor cells expressing these integrin receptors. Integrin receptors are transmembrane glycoproteins expressed on the surface of tumor vessel endothelial cells and some types of cancer cells, and play a crucial role in endothelial cell adhesion and migration.