

Catalog Number: CM05904

产品信息

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CM05904

CAS号:
1632032-53-1

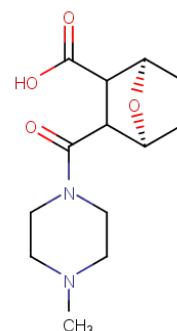
分子式:
 $C_{13}H_{20}N_2O_4$

主要靶点:
Phosphatase

主要通路:
代谢

分子量:
268.31

溶解度:
Ethanol:< 1 mg/mL (insoluble or slightly soluble); H₂O:49 mg/mL (182.6 mM); DMSO:< 1 mg/mL (insoluble or slightly soluble)



靶点活性

PP2A(Panc-1):3.87 μ M|PP2A(BxPc-3):0.85 μ M

体外活性

在胰腺癌异种移植小鼠模型中, LB-100 (2 mg/kg,i.p.)可增加化疗药物阿霉素的疗效.LB-100使肿瘤表面血流速度和肿瘤微血管密度增加.

体内活性

与对照组相比,LB-100使细胞内阿霉素浓度升高约2.5倍,并增加肿瘤细胞对阿霉素的敏感性。LB-100使血管内皮生长因子分泌增加,从而促进HIF-1 α -VEGF介导的血管生成。LB-100对BxPc-3 (IC₅₀: 2.3 μ M)和Panc-1 (IC₅₀: 1.7 μ M)细胞的生长有明显抑制效果。经LB-100处理后,BxPc-3、SW1990和Panc-1细胞肿的PP2A活性下降30-50%。

细胞实验

Cytotoxicity is conducted by using a Cell Counting Kit-8. Cells are seeded in 96-well plates with a density of 3000 cells per well and are assessed after treatments following the CCK-8 protocol. Relative cytotoxicity is expressed as a percentage of speci?c controls. (Only for Reference)

储存

store at low temperature | Powder: -20°C for 3 years | In solvent: -80°C for 1 year | Shipping with blue ice.