

Catalog Number: CM18266

产品信息

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CM18266

CAS号:
193807-60-2

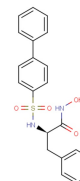
分子式:
C₂₁H₂₀N₂O₄S

主要靶点:
MMP

主要通路:
蛋白酶体

分子量:
396.46

溶解度:
DMSO:90.0 mg/mL (227.0
mM),Methanol:22.5 mg/mL (56.8
mM)



靶点活性

MMP-1:974 nM|MMP-2:12 nM|MMP-7:795 nM|MMP-9:16 nM|MMP-14:17 nM|MMP-3:>1000 nM

体内活性

Administration of BPHA (200 mg/kg; via oral; daily) in mice effectively suppresses tumor-induced angiogenesis, primary tumor growth, and liver metastasis. BPHA exhibits remarkable growth inhibitory activity of 48% and 45% in the B16-BL6 melanoma and F2 hemangio-endothelioma models, respectively.[1]

描述

BPHA is a potent, selective and orally active inhibitor of MMP-2, MMP-9 and MMP-14 with IC₅₀s of 12 nM, 16 nM and 17 nM, respectively. BPHA does not inhibit MMP-1, -3 and -7 (IC₅₀s of 974, >1000 and 795 nM, respectively). BPHA has anti-angiogenic and BPHA has anti-angiogenic and anti-tumor activities.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years