

Catalog Number: CM05193

产品信息

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CM05193

CAS号:
292605-14-2

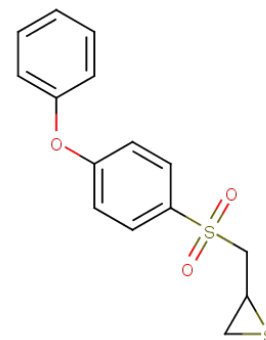
分子式:
C₁₅H₁₄O₃S₂

主要靶点:
MMP

主要通路:
蛋白酶体

分子量:
306.4

溶解度:
DMSO:55 mg/mL (179.5
mM); Ethanol:6.1 mg/mL (19.91
mM)



靶点活性

MMP2:13.9 nM(Ki)|MMP9:600 nM(Ki)

体外活性

在栓子引起的永久性脑缺血小鼠模型中,SB-3CT通过阻碍神经层粘连蛋白的退化,保护神经元免受缺血性细胞死亡的损害.在L-C1.5sT细胞淋巴瘤小鼠模型中,每天腹腔注射 SB-3CT (5-50 mg/kg),能够抑制肝癌细胞转移.在人前列腺癌细胞骨转移模型中,每天腹腔注射SB-3CT (50 mg/kg),抑制细胞的生长,骨质溶解以及血管生成.

体内活性

SB-3CT能够降低溶骨性反应,有助于骨完整性的保持.在PC3肿瘤细胞中,SB-3CT抑制细胞的生长.在基底膜基质中,SB-3CT直接抑制骨髓内皮细胞浸润和小管形成.

细胞实验

SB-3CT is dissolved in DMSO (10 mM) and stored (-22°C), and then diluted with appropriate media (DMSO 1%) before use[2]. PC3 cells are seeded in 35-mm dishes (5×10⁴ cells/dish) in complete culture medium. The next day, the medium is replaced with complete medium supplemented with 1% DMSO alone (vehicle) or SB-3CT (final concentrations 0.1-50 μM) in 1% DMSO. At various times, the cells are harvested with trypsin and counted[2].

储存

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