

Catalog Number: CM04552

产品信息

Catalog Number:
CM04552

CAS号:
432529-82-3

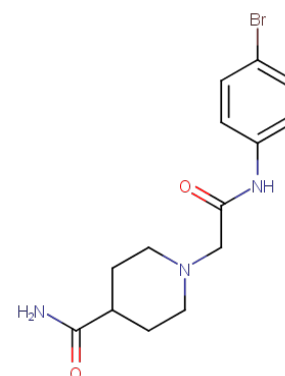
分子式:
 $C_{14}H_{18}BrN_3O_2$

主要靶点:
Histone Methyltransferase

主要通路:
表观遗传

分子量:
340.22

溶解度:
DMSO:100 mg/mL (293.93 mM)



体外活性

BCI-121显著降低了HT29 (46%)和HCT116 (54%)细胞在72小时内的增殖，并且减少了SMYD3目标基因的表达水平。BCI-121治疗只影响了表达高水平SMYD3的癌细胞系的增殖。在OVCAR-3细胞中检测到的SMYD3高表达水平，以及BCI-121处理后增殖率的显著下降，表明BCI-121对于高SMYD3表达细胞具有特异性的抑制作用。

细胞实验

Cell proliferation is determined using the cell proliferation reagent WST-1. Cells are seeded into 96-well plates one day before treatment. After 48 h, 72 h, or 96 h of BCI-121 or DMSO exposure, 10 μ L of the Cell Proliferation Reagent WST-1 are added to each well and incubated at 37 °C in a humidified incubator for up to 1 h. Absorbance is measured on a microplate reader at 450/655 nm. The proliferation index is calculated as the ratio of WST-1 absorbance of treated cells to WST-1 absorbance of control cells.

储存

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