

Catalog Number: CM04089

产品信息

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CM04089

CAS号:
1702259-66-2

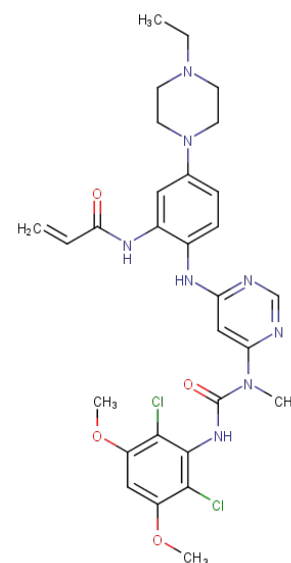
分子式:
 $C_{29}H_{34}Cl_2N_8O_4$

主要靶点:
FGFR

主要通路:
血管生成|蛋白酪氨酸激酶

分子量:
629.54

溶解度:
DMSO:6.3 mg/mL (10 mM)



体外活性

H3B-6527, 一种通过结构指导药物设计而成的高度选择性共价FGFR4抑制剂。在40种HCC细胞系和30种HCC PDX模型的研究表明, FGF19表达是预测H3B-6527反应的生物标志物。此外, 与CDK4/6抑制剂palbociclib联合使用H3B-6527能有效触发HCC异种移植模型的肿瘤退化[1]。FGFR4在ESCC组织和细胞系中经常过表达。体外实验表明, 通过特异性阻断剂H3B-6527阻断FGFR4, 显著降低了ESCC细胞的增殖、侵袭和迁移, 改变了上皮-间充质转换标记物。此外, FGFR4阻断与诱导凋亡有关, 并影响PI3K/Akt和MAPK/ERK途径[2]。

细胞实验

Immunohistochemistry and Western blotting were used to detect FGFR4 expression in ESCC samples and cell lines. Cell counting kit-8, and clonogenic, transwell, flow cytometric, and tumor xenograft in nude mice assays were utilized to determine the effect of blocking FGFR4 in proliferation, invasion, migration, and apoptosis of ESCC cells[2].

储存

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