

Catalog Number: CM08937

产品信息

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CM08937

CAS号:
2497409-01-3

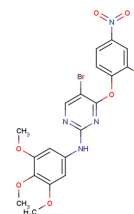
分子式:
C₁₉H₁₆BrFN₄O₆

主要靶点:
Autophagy|Apoptosis

主要通路:
自噬|凋亡

分子量:
495.26

溶解度:
DMSO:30 mg/mL (60.57
mM), Sonification is
recommended.



体外活性

ULK1-IN-2 (compound 3s) (10 μM; 24 h) exhibits potent anti-proliferative activity against A549, U937, HL60, MDA-MB-468, and MCF-7 cells. In A549 cells, ULK1-IN-2 hinders autophagy by inhibiting ULK1. Furthermore, ULK1-IN-2 induces apoptosis through the mitochondrial pathways in A549 cells in a dose-dependent manner and inhibits ULK1 and p-ULK1ser317 expression in a concentration-dependent manner, leading to Bcl-2 expression significantly decrease and an increase in Bax and the active form of Caspase-3 expression.[1]

描述

ULK1-IN-2 is a potent ULK1 inhibitor with potential anticancer activity, inducing apoptosis while blocking autophagy. ULK1-IN-2 has high cytotoxicity against cancer cells, with an IC₅₀ value of 1.94 μM against A549 cells. ULK1-IN-2 can be used for the study of non-small-cell lung cancer.

储存