

Catalog Number: CM03077

产品信息

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CM03077

CAS号:
1207293-36-4

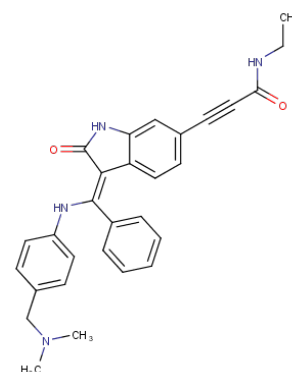
分子式:
 $C_{29}H_{28}N_4O_2$

主要靶点:
Apoptosis|Aurora Kinase|MEK

主要通路:
凋亡|表观遗传|细胞周期|MAPK信号通路

分子量:
464.56

溶解度:
H2O:<1 mg/mL,Ethanol:1 mg/mL
(2.15 mM),DMSO:18 mg/mL (38.7
mM)



靶点活性

aurora kinases (AK):15 nM|MEK:4nM

体外活性

BI-847325 shows growth-inhibitory effects on BRAF-mutant and vemurafenib-resistant melanoma cells with IC₅₀ ranging from 0.3 nM to 2 μM, and prevents colony formation in six BRAF-mutant melanoma cell lines. BI-847325 also induces apoptosis by reducing Mcl-1 expression. [1]

体内活性

In mice bearing 1205Lu and 1205LuR xenografts, BI-847325 (75 mg/kg, p.o.) causes significant tumor suppression without significant alteration in the body weights. [1]

细胞实验

Cells are plated at a density of 2.5×10^3 cells per 100 μ L and left to grow overnight before being treated with increasing concentrations of BI-847325 for 72 hours. The metabolic activity is determined using Alamar blue reagent as per the manufacturer's protocol.(Only for Reference)

描述

BL-847325 is a selective dual inhibitor of MEK and aurora kinases (AK) with IC₅₀ values of 4 and 15 nM for human MEK2 and AK-C, respectively.

储存

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