

Catalog Number: CM04570

产品信息

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CM04570

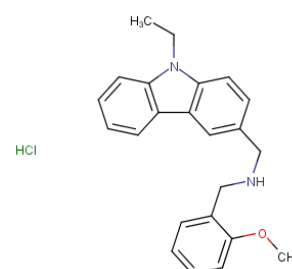
CAS号:
1158279-20-9

分子式:
C₂₃H₂₄N₂O·ClH

主要靶点:
Histone
Methyltransferase|Apoptosis

主要通路:
表观遗传|凋亡

分子量:
380.91

溶解度:
H₂O:<1 mg/mL,DMSO:55 mg/mL
(119.93 mM),warming,Ethanol:15
mg/mL (32.7 mM)


靶点活性

PRMT5:16.74 μM

体外活性

HLCL-61 shows no inhibitory activity against the type I (PRMT1 and PRMT4) and type II (PRMT7) PRMT family members. HLCL-61 shows effective inhibition of symmetric arginine dimethylation (me₂) of histones H3 and H4 in AML samples. Treatment of AML cell lines (MV4-11 and THP-1) and primary blasts with HLCL-61 also results in a decrease of cell viability. HLCL-61 is also effective in promoting apoptosis in MV4-11 and THP-1 cells after 48 h[1].

细胞实验

CD11b expression is tested by flow cytometry on cells treated with DMSO or HLCL-61 (25 and 50 μM) for 48 h. (Only for Reference)

描述

HLCL-61 hydrochloride is a potent and selective PRMT5 inhibitor for the treatment of acute myeloid leukemia.

储存

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