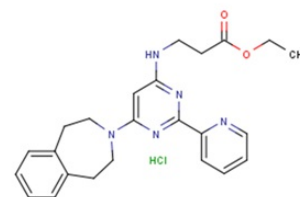


Catalog Number: CM04531

产品信息

Catalog Number:
CM04531CAS号:
1797983-09-5分子式:
 $C_{24}H_{28}ClN_5O_2$ 主要靶点:
Histone Demethylase主要通路:
表观遗传分子量:
453.97溶解度:
Ethanol:20 mg/mL,DMSO:30
mg/mL

靶点活性

JMJD3(in vitro):50 μ M|JMJD3(cell free):60 nM

体外活性

When administered to human primary macrophages, GSK-J4 can reduce LPS-induced proinflammatory cytokine production, most notably including that of TNF α (IC₅₀ = 9 μ M).

体内活性

Acting as a prodrug, GSK-J4 is rapidly hydrolyzed in cells to the otherwise cell impermeable GSK-J1, which exhibits an IC₅₀ value of 60 nM for the purified enzyme. The histone H3 lysine 27 (H3K27) demethylase JMJD3 plays important roles in the transcriptional regulation of cell differentiation, development, the inflammatory response, and cancer.

描述

GSK-J4 Hydrochloride (GSK J4 HCl) is a cell permeable, potent and selective histone demethylase(JMJD3)inhibitor. is an ethyl ester derivative of the GSK-J1 with an IC₅₀ value greater than 50 μ M in vitro.

储存

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