

Catalog Number: CM20740

产品信息

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CM20740

CAS号:
1384424-80-9

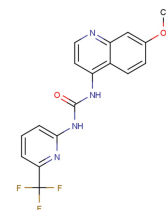
分子式:
C₁₇H₁₃F₃N₄O₂

主要靶点:
GSK-3

主要通路:
干细胞|PI3K/Akt/mTOR信号通路

分子量:
362.31

溶解度:
DMSO:83.33 mg/mL (230.00
mM), Sonification is
recommended.



靶点活性

GSK-3 β :0.6 nM (ki)|GSK-3 α :0.6 nM (ki)

体内活性

PET imaging experiments in anesthetized vervet/African green monkey exhibited that A 1070722 penetrated the blood-brain barrier (BBB) and accumulated in brain regions, with highest radioactivity binding in frontal cortex followed by parietal cortex and anterior cingulate, and with the lowest bindings found in caudate, putamen, and thalamus, similarly to the known distribution of GSK-3 in human brain[1].

描述

A 1070722 is a potent and selective GSK-3 inhibitor, shows high affinity GSK-3 α (K_i = 0.6 nM) and GSK-3 β (K_i = 0.6 nM). It can penetrate the blood-brain barrier (BBB) and accumulates in brain regions, thus potential for PET radiotracer for the quantification of GSK-3 in brain.

储存

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