

Catalog Number: CM11548

产品信息

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CM11548

CAS号:
330461-64-8

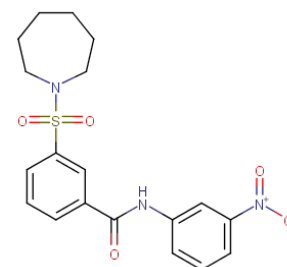
分子式:
C₁₉H₂₁N₃O₅S

主要靶点:
Sirtuin

主要通路:
表观遗传|DNA损伤和修复

分子量:
403.45

溶解度:
DMSO:50 mg/mL (123.93 mM)



靶点活性

SIRT2:12.5 μM

体外活性

AK-1 induces the formation of α-synuclein aggregates in H4 neuroglioma cells expressing α-synuclein and synphilin-1. AK-1 (5 μM) decreases total cholesterol levels in Neuro2a and primary rat striatal neurons, as well as in hippocampal slice cultures[1].

描述

AK-1 is a sirtuin 2 (SIRT2) inhibitor (IC₅₀:12.5 μM) that prevents hippocampal neurodegeneration in Alzheimer's disease models and induces cell cycle arrest in colon carcinoma cells.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 1 year