

Catalog Number: CM03012

产品信息

Catalog Number:
CM03012

CAS号:
1311174-68-1

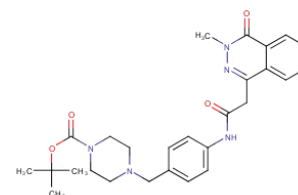
分子式:
C₂₇H₃₃N₅O₄

主要靶点:
Others

主要通路:
其他

分子量:
491.58

溶解度:
DMSO:75 mg/mL (152.57 mM)



靶点活性

Apo E4 in FRET:116 nM

体外活性

PH-002 is an inhibitor of apolipoprotein (apo) E4 intramolecular domain interaction in neuronal cells (IC₅₀: 116 nM in FRET) [1].

体内活性

PH-002 (100 nM) enhances dendritic spine development in primary neurons from NSE-apoE4 transgenic mice to levels comparable with those in NSE-apoE3 primary neurons (apoE3-expressing primary neurons treated with PH-002 gave results identical to untreated primary neurons). PH-002 is also shown to enhance COX1 levels in primary neurons from the NSE-apoE4 transgenic mouse cortex and hippocampus. COX1 levels are increased by ~60% after 4 days of treatment with PH-002 (200 nM) [2].

描述

PH-002 is an inhibitor of apolipoprotein (apo) E4 intramolecular domain interaction in neuronal cells. It also could rescue impairments of mitochondrial motility and neurite outgrowth.

储存

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