

Catalog Number: CM11341

产品信息

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CM11341

CAS号:
14513-15-6

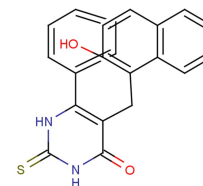
分子式:
C₂₁H₁₆N₂O₂S

主要靶点:
Sirtuin|Apoptosis|Phospholipase

主要通路:
DNA损伤和修复|代谢|表观遗传|凋亡

分子量:
360.43

溶解度:
DMSO:10 mg/mL,Ethanol:5 mg/mL



靶点活性

SIRT2:59 μM|SIRT1:56 μM

描述

Cambinol is a cell-permeable b-naphthol compound that inhibits the NAD-dependent deacetylase activity of SIRT1/2 (IC₅₀: 56/59 μM, respectively) in a substrate-, but not NAD-, competitive manner. Cambinol inhibits SIRT5 deacetylase activity only at much higher concentrations (IC₅₀ >300 μM) and no inhibitory for the class I and II HDACs. In BCL6-expressing Burkitt lymphoma cell lines, Cambinol-induced apoptosis has been attributed to the hyperacetylation of p53 and BCL6. Cambinol is a potent brain penetrant neutral sphingomyelinase (N-SMase) inhibitor (exosome inhibitor)

储存

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