

Catalog Number: CM06928

产品信息

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CM06928

CAS号:
56092-81-0

分子式:
C₄₁H₇₂O₉

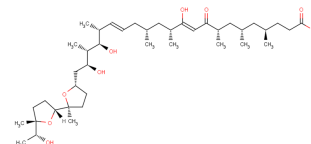
主要靶点:
Others

主要通路:
其他

分子量:
709.01

溶解度:

Ethanol: 90.0 mg/mL (126.9 mM),
sonification is recommended.
DMSO: 90.0 mg/mL (126.9 mM),
sonification is recommended.



体外活性

Ionomycin (2 μM) induced cell death in LCLC 103H cells, derived from a human large cell lung carcinoma, by inducing calpain activation promotes decrease of Bcl-2 proteins thereby triggering the intrinsic apoptotic pathway [2]. Ionomycin also phosphorylate p38 MAPK by Ca²⁺ influx through SOCE, leading to suppression of TNF-α-induced NF-κB phosphorylation[3].

描述

Ionomycin is an calcium ionophore and an antibiotic that binds calcium ions (Ca²⁺). It is produced by the bacterium *Streptomyces conglobatus*. It is used in research to raise the intracellular calcium level (Ca²⁺) and as a research tool to understand Ca²⁺ transport across biological membranes. Ionomycin promotes apoptosis and induces the activation of protein kinase C (PKC).

储存

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