

Catalog Number: CM08094

产品信息

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CM08094

CAS号:
1862-41-5

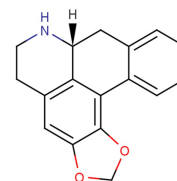
分子式:
C₁₇H₁₅NO₂

主要靶点:
Antioxidant|Antifungal|Apoptosis|Parasite

主要通路:
微生物学|氧化还原|凋亡

分子量:
265.31

溶解度:
DMSO:2.65 mg/mL (10 mM)



靶点活性

HepG2(cell):38.3 ± 2.3 μg/ml(CC50)|HepG2(cell):23.2 ± 2.7 μg/ml

体外活性

(-)-Anonaine (50-200 μM; 24h;) exhibited significant inhibition to cell growth and migration activities on human lung cancer H1299 cells.[1] (-)-Anonaine (10-200 μM) significant nuclear damages of H1299 cells were observed treatment in a comet assay, whereas higher concentrations (6 and 30 mM) of (-)-anonaine concentrations were required to cause DNA damages in an in vitro plasmid cleavage assay.[1]

描述

(-)-Anonaine can be extracted from several species of Magnoliaceae and Annelidae and has antimalarial, antibacterial, antifungal, antioxidant, anticancer, antidepressant and vasodilatory activities. (-)-Anonaine induces apoptosis in human cervical cancer (HeLa) cells, induces DNA damage and inhibits the growth and migration of human lung cancer h1299 cells through Bax and caspase-dependent pathways.

储存

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