

For Research Use Only

(-)-Bornyl acetate



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Catalog Number: CM16941

产品信息

Catalog Number:
CM16941

CAS号:
5655-61-8

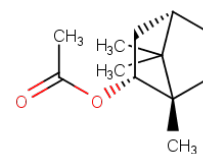
分子式:
C₁₂H₂₀O₂

主要靶点:
p38 MAPK|Antifungal|NF-κB|JNK

主要通路:
微生物学|NF-κB信号通路|MAPK
信号通路

分子量:
196.29

溶解度:
DMSO:65 mg/mL (331.14 mM)



体外活性

The wavy roots from seedlings exposed to (-)-bornyl acetate are significantly longer compared to those from seedlings exposed to (+)-bornyl acetate. (-)-Bornyl acetate (L-bornyl acetate), when applied individually to barley seedlings, reduced powdery mildew infection compared with controls not containing ether.

描述

(-)-Bornyl acetate is a less active enantiomer of (+)-Bornyl acetate. (-)-Bornyl acetate isolates from hyssop oil and possesses antifungal activity. (-)-Bornyl acetate shows highly active whitening and antioxidant activities, has potential applications in cosmeceutical materials. (-)-Bornyl acetate downregulated the levels of proinflammatory cytokines in vitro and in vivo; reduced the number of total cells, neutrophils, and macrophages in BALF; attenuated the histologic alterations in the lung; decreased the wet-to-dry weight ratio in BALF; and suppressed NF-kappa-B inhibitor alpha, extracellular regulated protein kinases, c-JunN-terminal kinase, p38 mitogen-activated protein kinase activation.

储存

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

For technical support and original validation data for this product please contact

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