Product Name: Macelignan
CAS No.: 107534-93-0
Cat. No.: HY-N0064
MWt: 328.40
Formula: C20H24O4
Purity: >98%

Solubility: DMSO

Mechanisms: Pathways: Others; Target: Others

Biological Activity:
Macelignan (Anwuligan) is a natural compound isolated from Myristica fragrans Houtt; possesses therapeutic potentials against neurodegenerative diseases with oxidative stress and neuroinflammation.

IC50 value:
Target:
in vitro: Macelignan significantly attenuated the ROS production and neurotoxicity induced by glutamate in HT22 cell [1]. At 24 h of biofilm growth, S. mutans, A. viscous and S. sanguis biofilms were reduced by up to 30%, 30% and 38%, respectively, after treatment with 10 microg/mL macelignan for 5 min [2]. Cisplatin-induced phosphorylation of c-Jun N-terminal kinase1/2 (JNK1/2) and extracellular signal-regulated kinase1/2 (ERK1/2) was abrogated by pretreatment with macelignan, however, that of p38 was not significantly affected [3].
in vivo: Macelignan attenuated the expression of phosphorylated c-Jun in cisplatin-treated mice [3]. Daily administration...

References:

Caution: Not fully tested. For research purposes only

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