Product Name: alpha-Asarone
CAS No.: 2883-98-9
Cat. No.: HY-N0700
MWt: 208.25
Formula: C12H16O3
Purity: >98%
Solubility: 10 mM in DMSO

Mechanisms:
Pathways: Others; Target: Others

Biological Activity:
Alpha-Asarone is one of the main psychoactive compounds, and possesses an antidepressant-like activity in mice.
IC50 value:
Target:
In vitro: The results indicated that α-asarone significantly attenuated the LPS-stimulated increase in neuroinflammatory responses and suppressed pro-inflammatory cytokine production in BV-2 cells. Mechanistic study revealed that α-asarone inhibited the LPS-stimulated activation via regulation of nuclear factor kappa-B by blocking degradation of inhibitor kappa B-alpha signaling in BV-2 microglial cells. [2]
In vivo: The present results reveal that the acute treatment of α-asarone elicited biphasic responses on immobility such that the duration of the immobility time is significantly reduced at lower doses (15 and 20 mg/kg, i.p.) but increased at higher doses (50 and 100 mg/kg, i.p.) in the TST. Besides, α-asarone at higher doses (50 and...

References:

Caution: Not fully tested. For research purposes only

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