2-Methoxycinnamaldehyde

Cat. No.: HY-W046353
CAS No.: 1504-74-1
Molecular Formula: C₁₀H₁₀O₂
Molecular Weight: 162.19
Target: Apoptosis
Pathway: Apoptosis
Storage: -20°C, stored under nitrogen
* In solvent: -80°C, 6 months; -20°C, 1 month (stored under nitrogen)

BIOLOGICAL ACTIVITY

Description
2-Methoxycinnamaldehyde (o-Methoxycinnamaldehyde) is a natural compound of Cinnamomum cassia, with antitumor activity[1][2][3]. 2-Methoxycinnamaldehyde inhibits proliferation and induces apoptosis by mitochondrial membrane potential (ΔΨm) loss, activation of both caspase-3 and caspase-9[2]. 2-Methoxycinnamaldehyde effectively inhibits platelet-derived growth factor (PDGF)-induced HASMC migration[3].

REFERENCES


Caution: Product has not been fully validated for medical applications. For research use only.