

Product Name : Cinnamaldehyde

Synonyms : Cinnamaldehyde

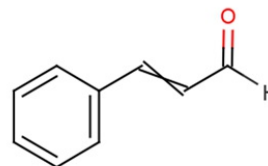
Cat No. : M17778

CAS Number : 104-55-2

Molecular Formula : C₉H₈O

Formula Weight : 132.16

Chemical Name : 2-Propenal, 3-phenyl-



Description

Cinnamaldehyde has antipyretic activity. Cinnamaldehyde is a sedative agent. Cinnamaldehyde inhibits invasive capabilities of MDA-MB-435S cells was correlated with down-regulating the expression of miR-27a. Cinnamaldehyde induces the generation of reactive oxygen species and exerts vasodilator and anticancer effects. Cinnamaldehyde appears to be a promising candidate as an adjuvant in combination therapy with 5-fluorouracil (5-FU) and oxaliplatin (OXA), two chemotherapeutic agents used in CRC treatment. The possible mechanisms of its action may involve the regulation of drug-metabolizing genes. 6. Cinnamaldehyde plays a certain role in inhibiting the occurrence and progression of melanoma and its action mechanism may be manifested by inhibiting expression of VEGF and HIF- α , thus blood vessel simulation and formation of new blood vessels of melanoma cells, and growth of tumors accordingly.

Pathway : GPCR/G Protein

Target : Antibacterial

Receptor : HIF- α

Solubility : —

SMILES : C1=CC=C(C=C1)C=CC=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :