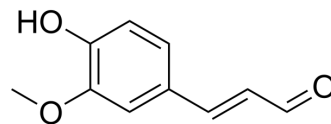


## trans-Coniferyl aldehyde

Cat. No.:	HY-N3616
CAS No.:	20649-42-7
Molecular Formula:	C <sub>10</sub> H <sub>10</sub> O <sub>3</sub>
Molecular Weight:	178.18
Target:	Endogenous Metabolite; DNA/RNA Synthesis
Pathway:	Metabolic Enzyme/Protease; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

trans-Coniferyl aldehyde (compound 2) is a natural compound isolated from the buds of clove (*Syzygium aromaticum*). trans-Coniferyl aldehyde suppresses 63% of the UV mutable gene expression at 1.20 μM, and with an ID<sub>50</sub> value of 0.76 μM, and has the antimutagenic activities against furylfuramide, Trp-P-1, and activated Trp-P-1<sup>[1]</sup>.

### REFERENCES

[1]. Miyazawa M, et al. Antimutagenic activity of phenylpropanoids from clove (*Syzygium aromaticum*). *J Agric Food Chem.* 2003;51(22):6413-6422.

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

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