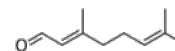


**Product Name** : Citral  
**Cat. No.** : PC-24202  
**CAS No.** : 5392-40-5  
**Molecular Formula** : C<sub>10</sub>H<sub>16</sub>O  
**Molecular Weight** : 152.24  
**Target** : Microtubule/Tubulin  
**Solubility** : 10 mM in DMSO



## Biological Activity

Citral is a natural ALDH1A inhibitor, also is a small molecule inhibitor of nuclear  $\gamma$ -tubulin, affects the transcriptional activity of E2F and the protein levels of RB1.

Citral induces apoptosis and cycle arrest in breast cancer cell lines.

Citral protects against LPS-induced endometritis by inhibiting ferroptosis through activating Nrf2 signaling pathway.

Citral has analgesic, anti-injurious and anti-inflammatory effects.

## References

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Chaimovitsh D, et al. Plant J 2010;61:399-408.

Zhao W, et al. Inflammopharmacology. 2023 Jun;31(3):1551-1558.

Lindström L, et al. Mol Cancer Res. 2015 Jul;13(7):1073-82.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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