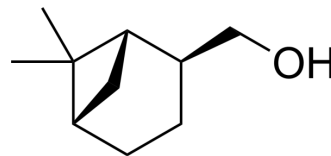


## (-)-trans-Myrtanol

Cat. No.:	HY-N9495
CAS No.:	53369-17-8
Molecular Formula:	C <sub>10</sub> H <sub>18</sub> O
Molecular Weight:	154.25
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

(-)-trans-Myrtanol is an antimicrobial and acaricide agent. (-)-trans-Myrtanol exhibits potent antimicrobial activities against harmful intestinal bacteria. (-)-trans-Myrtanol shows acaricidal activities for *D. farinae*, *D. pteronyssinus*, *T. putrescentiae* with LD<sub>50</sub> values of 2.30 µg/cm<sup>2</sup>, 2.22 µg/cm<sup>2</sup>, 12.95 µg/cm<sup>2</sup>, respectively<sup>[1]</sup>.

### REFERENCES

- [1]. Yang JY, et al. Verbenone structural analogues isolated from *Artemisia aucheri* as natural acaricides against *Dermatophagoides* spp. and *Tyrophagus putrescentiae*. *J Agric Food Chem.* 2013 Dec 18;61(50):12292-6.
- [2]. Yang J Y , Lee H W , Lee H S . Growth inhibitory activities of myrtanol and structural analogues from *Thymus tosevi* against intestinal bacteria. *Food Science & Biotechnology*, 2015, 24(1):169-174.

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

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