**THE CHEMISTRY OF LAVENDER**

**LAVENDER AROMA COMPOUNDS**

![Chemical structures of various lavender aroma compounds](image)

- **(R)-LINALOOL**
- **LINALYL ACETATE**
- **(R)-LAVANDULOL**
- **LAVANDULYL ACETATE**

**LAVENDER AND MOTHS**

![Chemical structures of moth repellents](image)

- **L: 1,8-CINEOLE**
- **R: CAMPHOR**
- **NAPHTHALENE**
- **1,4-DICHLOROBENZENE**

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The primary compounds that contribute to the scent of lavender are linalool and linalyl acetate. Linalool is often used as a fragrance in consumer products. Other compounds that contribute include lavendulol and lavandulyl acetate, as well as a selection of other terpenoid compounds.

People often put bags of dried lavender with stored clothes to repel moths. 1,8-cineole and camphor, both present in lavender, have insecticidal and repellent activities. Mothballs can also be used to repel moths, and usually contain either naphthalene or 1,4-dichlorobenzene, but there are some health concerns regarding their use.

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