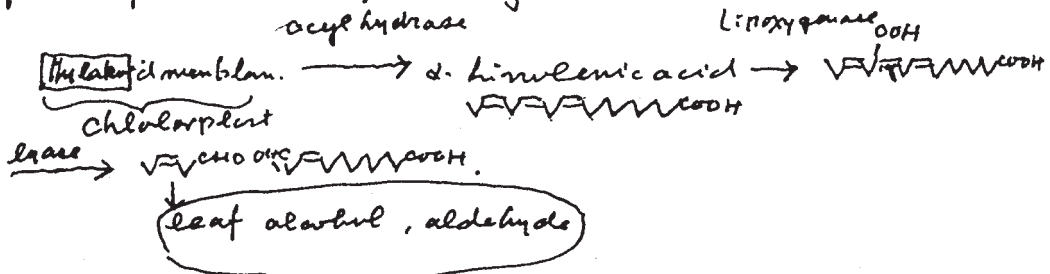


Biogenesis of Green Odour in Plant (or Green Leaves)

"Green odour" is widely distributed in fresh leaves, vegetables and fruits, and is responsible for the odour characteristics of leaves in plants. This odour consists of six volatile compounds of C₆-unsaturated aldehydes and alcohols including leaf aldehyde (1912, by Coultas et al).

2E-hexenal and leaf alcohol (1938, by S. Takei), (3Z)-hexenol. Since 1957: synthetic chemistry, natural products chemistry and plant biochemistry by us: (3E)-, (2E)-hex-enals, (3Z)-hex-enals were found in fresh tea leaves. The synthetic pathway shows the following.



a chemical communicators between plants or between plants and insects.

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