সুবাস

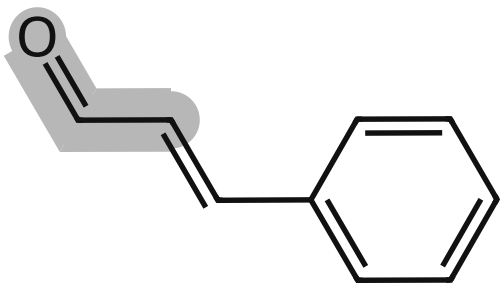
Aroma

Seven kitchen molecules you smell before you taste.

1 Heat and sting · 2 Aroma · 3 Taste and tricks

The grey glow marks the working part of each molecule.

01 · 132.2

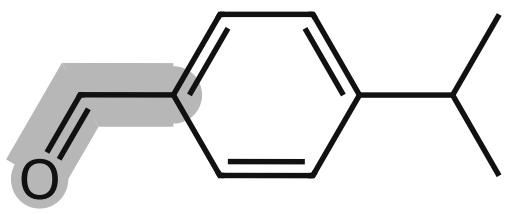


C_9H_8O

CINNAMALDEHYDE

দারুচিনি — Cinnamon

02 · 148.2



$C_{10}H_{12}O$

CUMINALDEHYDE

জিরা — Cumin

HOW TO READ A TILE

Like an element, but tastier

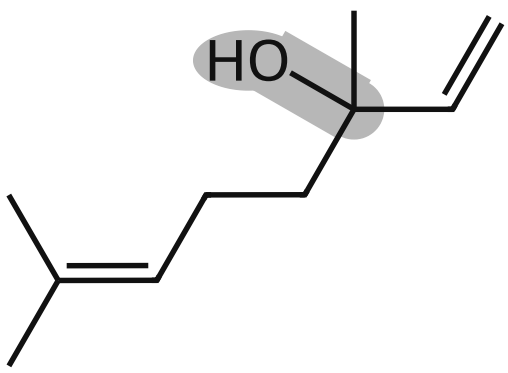
01 · 305.4 — The number, and the molar mass in g/mol

Drawing — The molecule, with its working part glowing

$C_{18}H_{27}NO_3$ — Its formula

Band — The ingredient, in Bangla and English

03 · 154.3

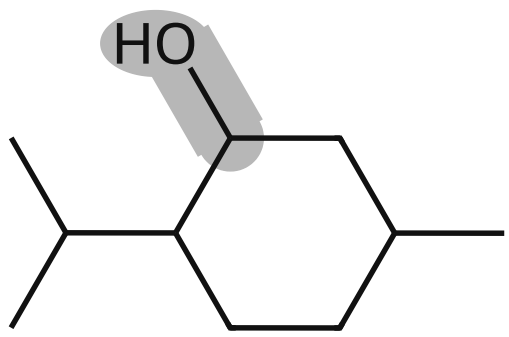


$C_{10}H_{18}O$

LINALOOL

ধনিয়া — Coriander

04 · 156.3



$C_{10}H_{20}O$

MENTHOL

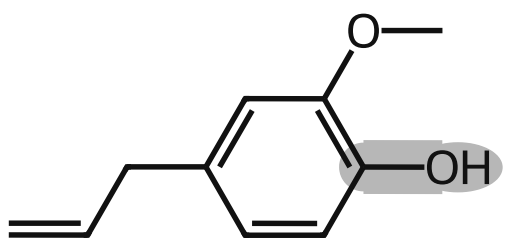
পুদিনা — Mint

GOOD TO KNOW

Why smells float

A smell is a molecule that evaporates easily and drifts into your nose. All seven molecules here weigh between 132 and 196 g/mol, small and light enough to float. Sugar, at 342, does not evaporate, which is why pure sugar has no smell.

05 · 164.2

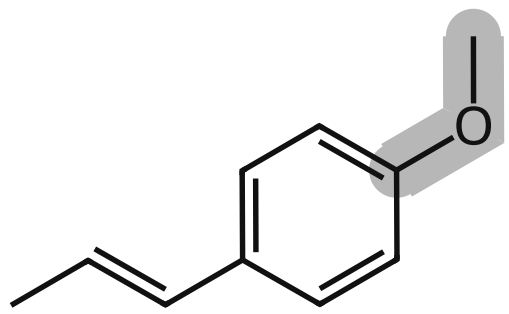


$C_{10}H_{12}O_2$

EUGENOL

লবঙ্গ — Clove

06 · 148.2

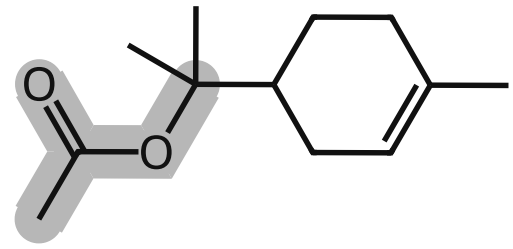


$C_{10}H_{12}O$

ANETHOLE

মৌরি — Fennel

07 · 196.3



$C_{12}H_{20}O_2$

A-TERPINYL ACETATE

এলাচ — Cardamom

TRY IT AT HOME

Two experiments for the kitchen table.

Whole or crushed
Smell a whole clove or cardamom pod, then crush it and smell again. Crushing breaks open tiny oil pockets, so more aroma molecules escape.

Warm it up
Smell a pinch of ground cinnamon. Hold it in your warm palm for a minute and smell again. Warmth helps more molecules evaporate, so the smell is stronger.

Ask an adult first. Never taste an experiment.

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