স্বাদ ও কৌশল

Taste and kitchen tricks

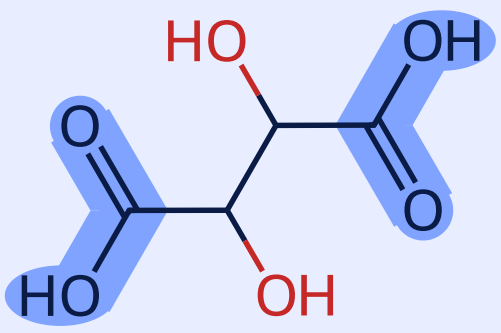
Sour, sweet, salty and bitter, and two tricks you can see and smell.

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

The coloured glow marks the working part of each molecule.

Chem2Cure
Institute for Chemical Research and Therapeutics

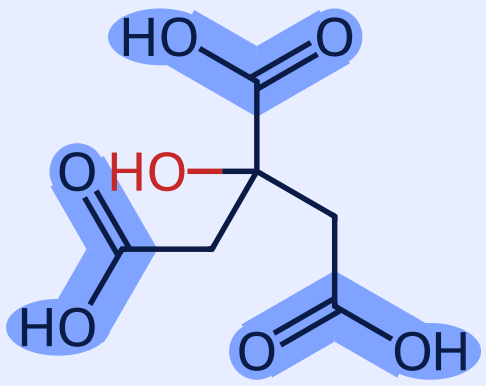
01 150.1



$C_4H_6O_6$
TARTARIC ACID

তেঁতুল — Tamarind

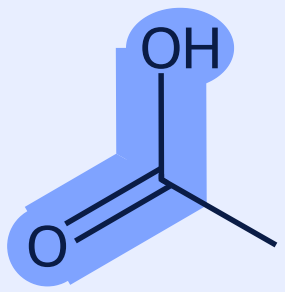
02 192.1



$C_6H_8O_7$
CITRIC ACID

লেবু — Lime

03 60.1



$C_2H_4O_2$
ACETIC ACID

সিরকা — Vinegar

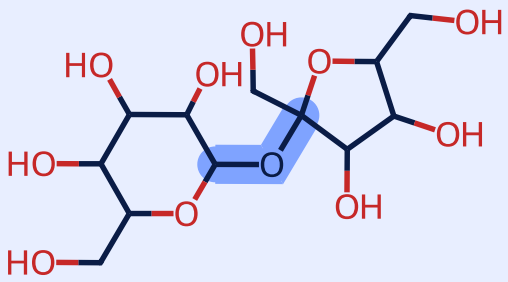
04 194.2



$C_8H_{10}N_4O_2$
CAFFEINE

চা — Tea

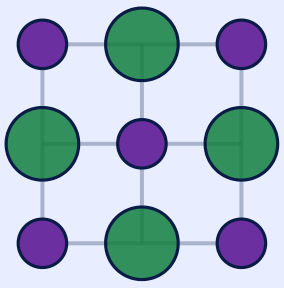
05 342.3



$C_{12}H_{22}O_{11}$
SUCROSE

চিনি ও গুড় — Sugar and gur

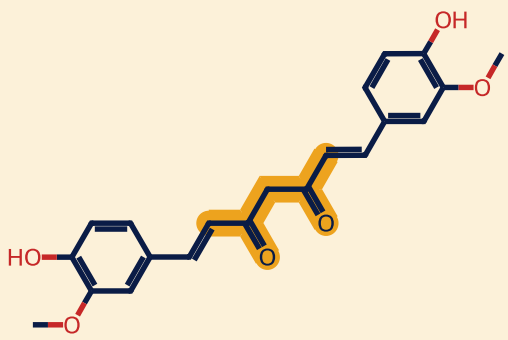
06 58.4



Na^+ Cl^-
NaCl
SODIUM CHLORIDE

লবণ — Salt

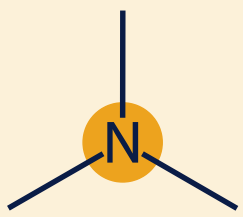
07 368.4



$C_{21}H_{20}O_6$
CURCUMIN

হলুদ — Turmeric

08 59.1



C_3H_9N
TRIMETHYLAMINE

মাছ — Fish

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

TRY IT AT HOME

Two experiments for the kitchen table.

Turmeric and soap
Rub a little turmeric paste on white paper. Add a drop of soapy water. The yellow turns red-brown, because curcumin changes colour in alkali.

Tea and lime
Make a cup of strong black tea. Add a few drops of lime juice. The colour gets lighter, because the coloured molecules in tea change with acid.

Ask an adult first. Never taste an experiment.

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