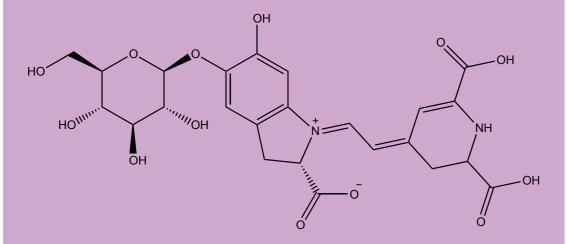
THE CHEMISTRY OF BEETROOT

WHY IS BEETROOT RED?



BETANIN

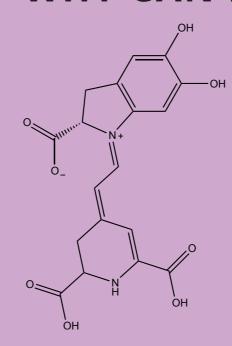
A class of compounds called betacyanins are responsible for the red colouration of beetroot. The major compound responsible for the colour is betanin; this can be extracted from beetroots and used as a red food dye called 'beetroot red', which has the F number F162.

Vulgaxanthin & indicaxanthin are two other compounds found in beetroots that contribute towards its coloruration.



WHY CAN BEETROOT MAKE URINE RED?

for its ability to turn urine red.



BETANIDIN

Betanidin is the compound that causes 'beeturia'. It has been suggested that the pigment is usually degraded by stomachacid, explaining why the effect is not always evident - only when the stomach acid's

The same chemical compounds that are responsible for the red colour of beetroot are also responsible

pH is not low enough to degrade the pigments are large enough amounts present in urine. However, it has also been suggested that genetic factors could influence whether people experience beeturia.