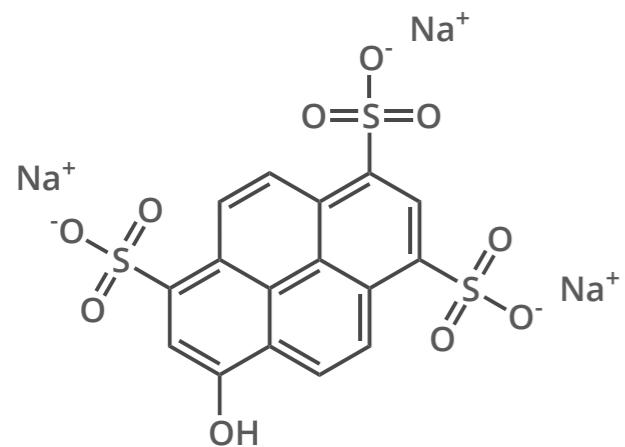


THE CHEMISTRY OF HIGHLIGHTER COLOURS



YELLOW

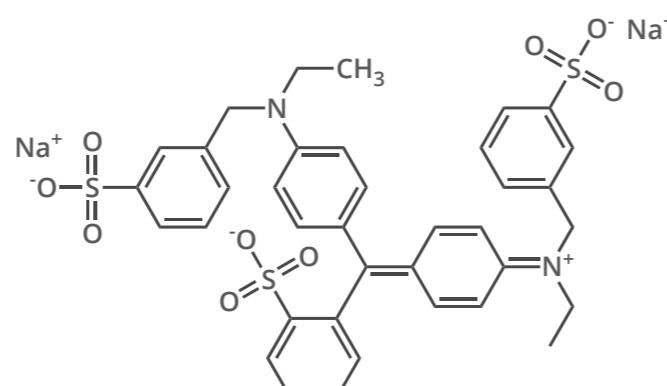


PYRANINE - SOLVENT GREEN 7
(Pyrene dye)

Pyranine, a pyrene dye, is the dye commonly used in yellow highlighters. Fluorescein can also be used. Mixing a pyrene dye with a triphenylmethane dye gives a green ink.



BLUE

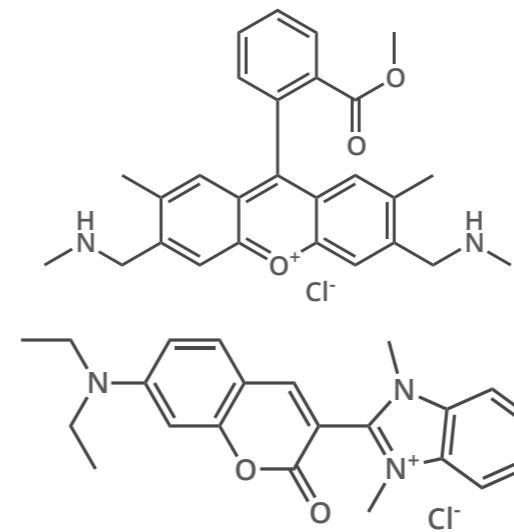


ACID BLUE 9
(Triphenylmethane dye)

A triphenylmethane dye such as Acid Blue 9 is commonly used to achieve a blue ink colour; it is used in combination with a colour-brightening compound, e.g. an anionic stilbene derivative.



ORANGE

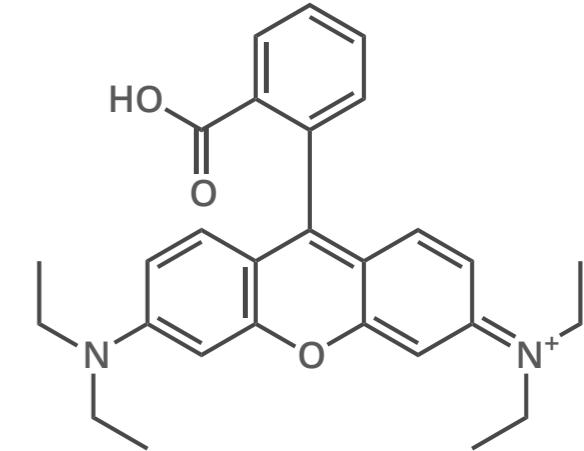


BASONYL RED 485 (TOP) & BASIC YELLOW 40
(Xanthene dye and Coumarin dye)

A mix of a xanthene dye and a coumarin dye is required to achieve an orange colour.



PINK



SOLVENT RED 49
(Rhodamine dye)

A rhodamine dye can impart a pink colour to the highlighter ink. A rhodamine dye can also be combined with a triphenylmethane dye in order to produce a purple-coloured highlighter.

