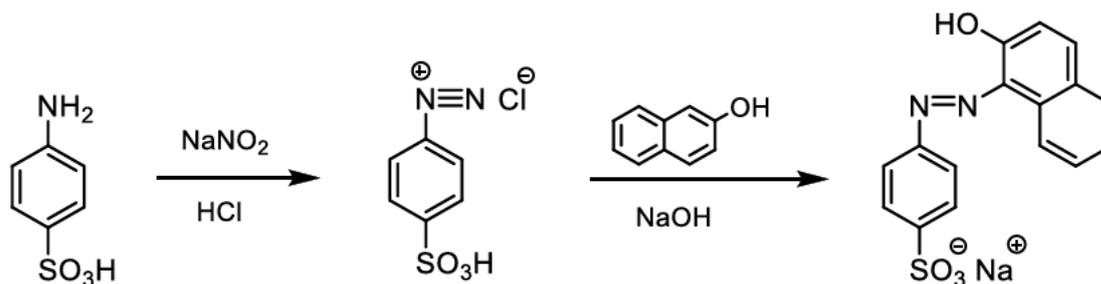


2-NAPHTHOL ORANGE



Reagents:

Sulphanilic acid – 2.5 g
2M NaOH – 31 ml
 NaNO_2 – 1.0 g
4M HCl – 13 ml
2-naphthol – 2.0 g

Apparatus:

High beakers 100 ml, 400 ml
Erlenmeyer flask 100 ml
crystalliser 200 ml
glass rod
watch glass

Preparation:

2.5g of sulphanilic acid is dissolved in 6ml of 2M NaOH solution. Then 1g of sodium nitrate (III) dissolved in 2ml of water is added.

The resulting solution is poured by cooling with ice into 13ml of 4M HCl. The mushy mixture is transferred quite rapidly by stirring into an alkaline solution of 2-naphthol (2g in 25ml of 2M NaOH).

The crystallisation of the dye is accelerated by cooling the mixture in an ice bath. The obtained crystals are drained and washed with cold water.