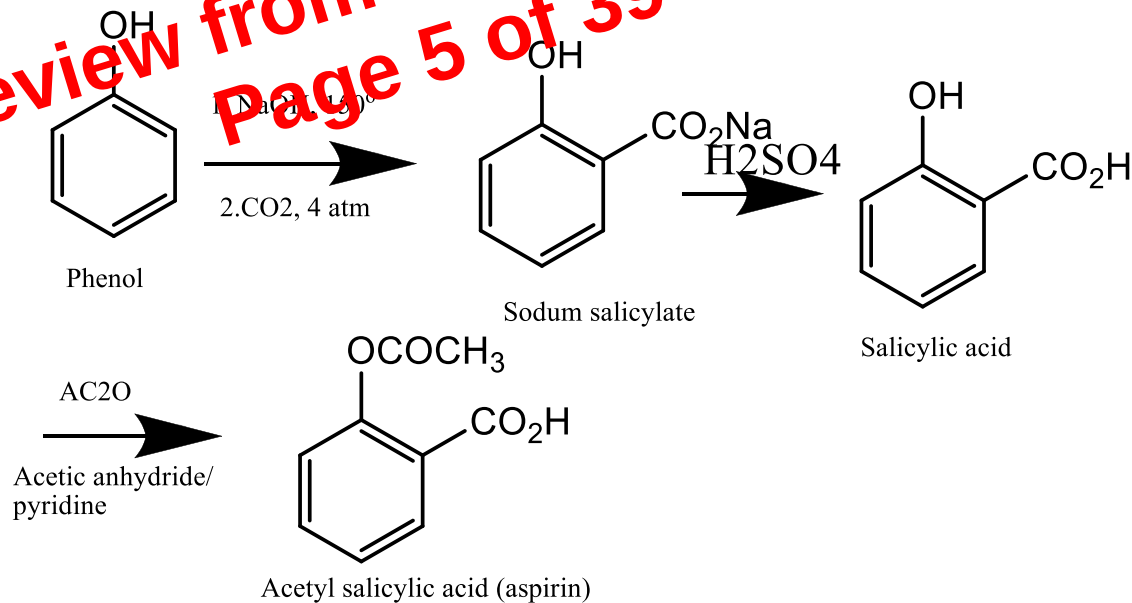


Synthesis of aspirin- Kolbe-Schmidt

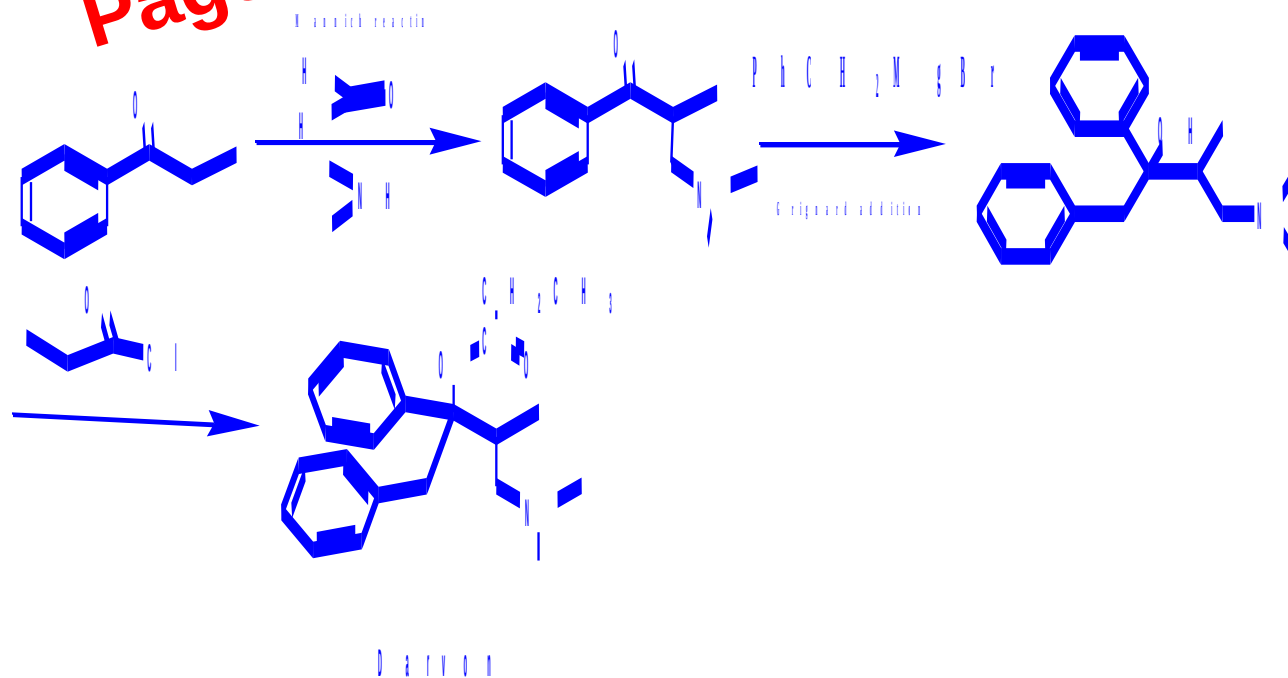
synthesis.co.uk

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Synthesis of Darvon

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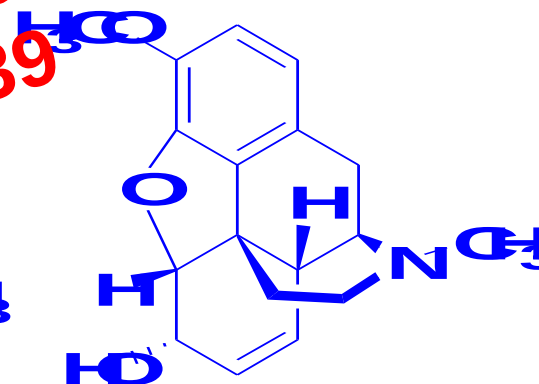


Codeine

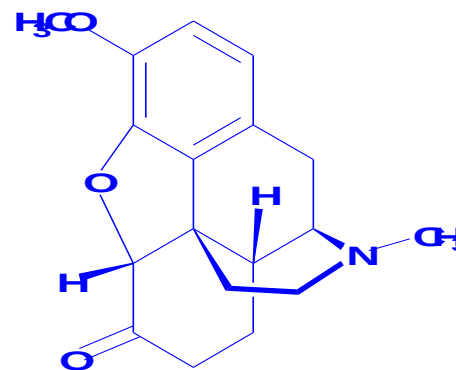
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Morphine



Codeine



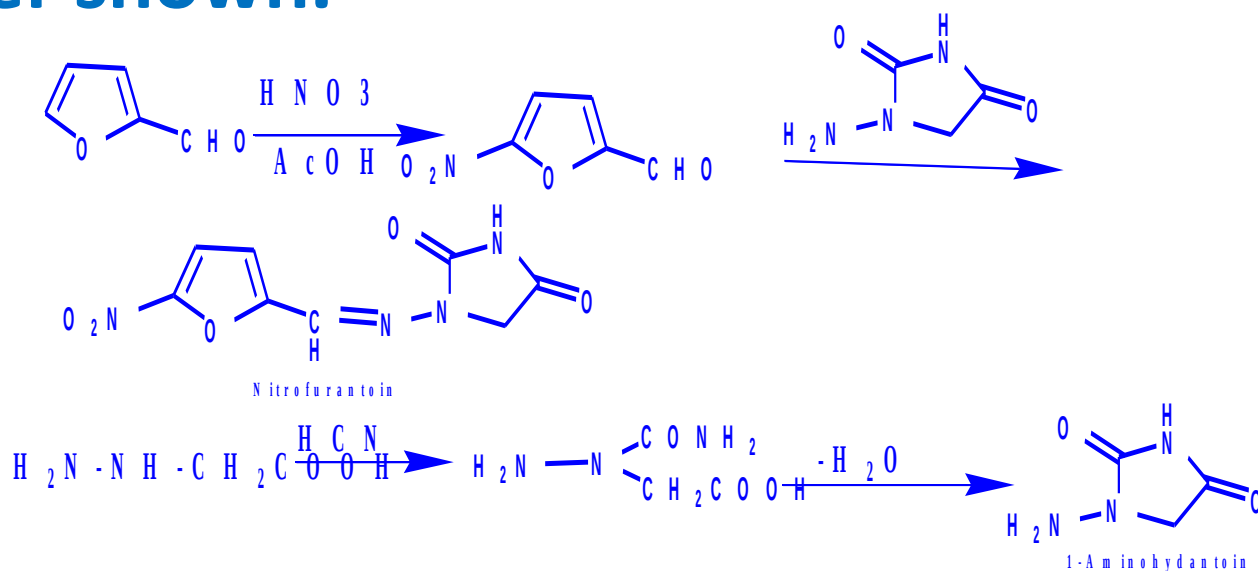
Hydrocodone

Anti-bacterial agents

- Anti-bacterial agents are used to control bacterial infections such as pneumonia, TB and urinary track infections.
- Some of the agents are natural while others are synthetic.
- Examples include penicillins, tetracyclines and sulphonilamides.

Nitrofurantoin

- This is an anti-infective agent used for treatment of bacterial infections of the urinary tract and prostate gland. It is synthesized from 5-nitrofurfural in the manner shown.



Diuretics

- The diuretics decrease body fluids by increasing the excretion of urine by the kidneys.
- This action reduces the swelling of tissues that sometimes cause high blood pressure leading to heart, kidney and liver failure.
- Furesamine is a typical diuretic. It lowers blood pressure by preventing re-absorption of sodium ions and promotes excretion of potassium ions.