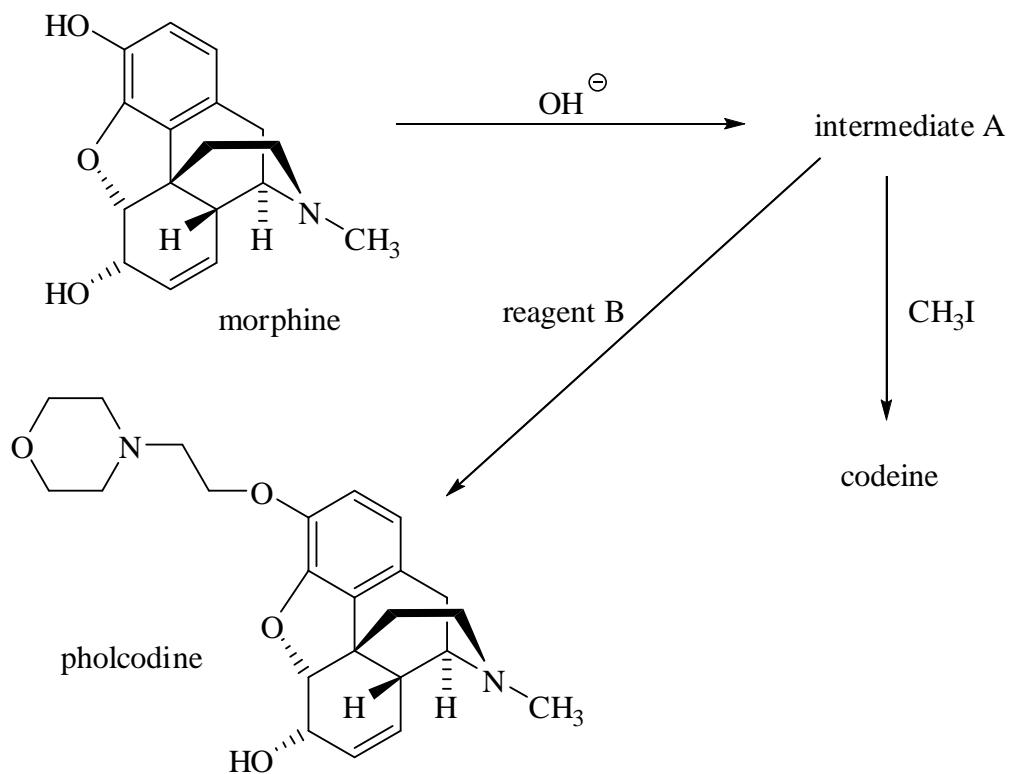


- Morphine is the principal active agent in opium and is a highly potent analgesic drug. Its structure and conversion into codeine (a moderate analgesic) and pholcodine (a cough suppressant) are shown below.

Marks
2



Give the molecular formula of morphine.

Identify the functional groups present in morphine.