Marks • Morphine is the principal active agent in opium and is a highly potent analgesic drug. 2 Its structure and conversion into codeine (a moderate analgesic) and pholcodine (a cough suppressant) are shown below. HO OH[⊖] intermediate A 0. Ē Η CH₃ HO reagent B CH₃I morphine codeine pholcodine Ē CH₃ Η HO Give the molecular formula of morphine. Identify the functional groups present in morphine.