

inhibitor, inhibits about 45% together with quinidine of about 55% (Johnson *et al.* 2000), meaning that CYP2D6 and CYP1A2 are involved in this metabolic pathway. However, CYP2C8/9, CYP2C19, CYP3A3/4 and CYP2E1 have weak inhibitory activities on PRN metabolism (Yoshimoto *et al.* 1995) (**Figure 1.4**).

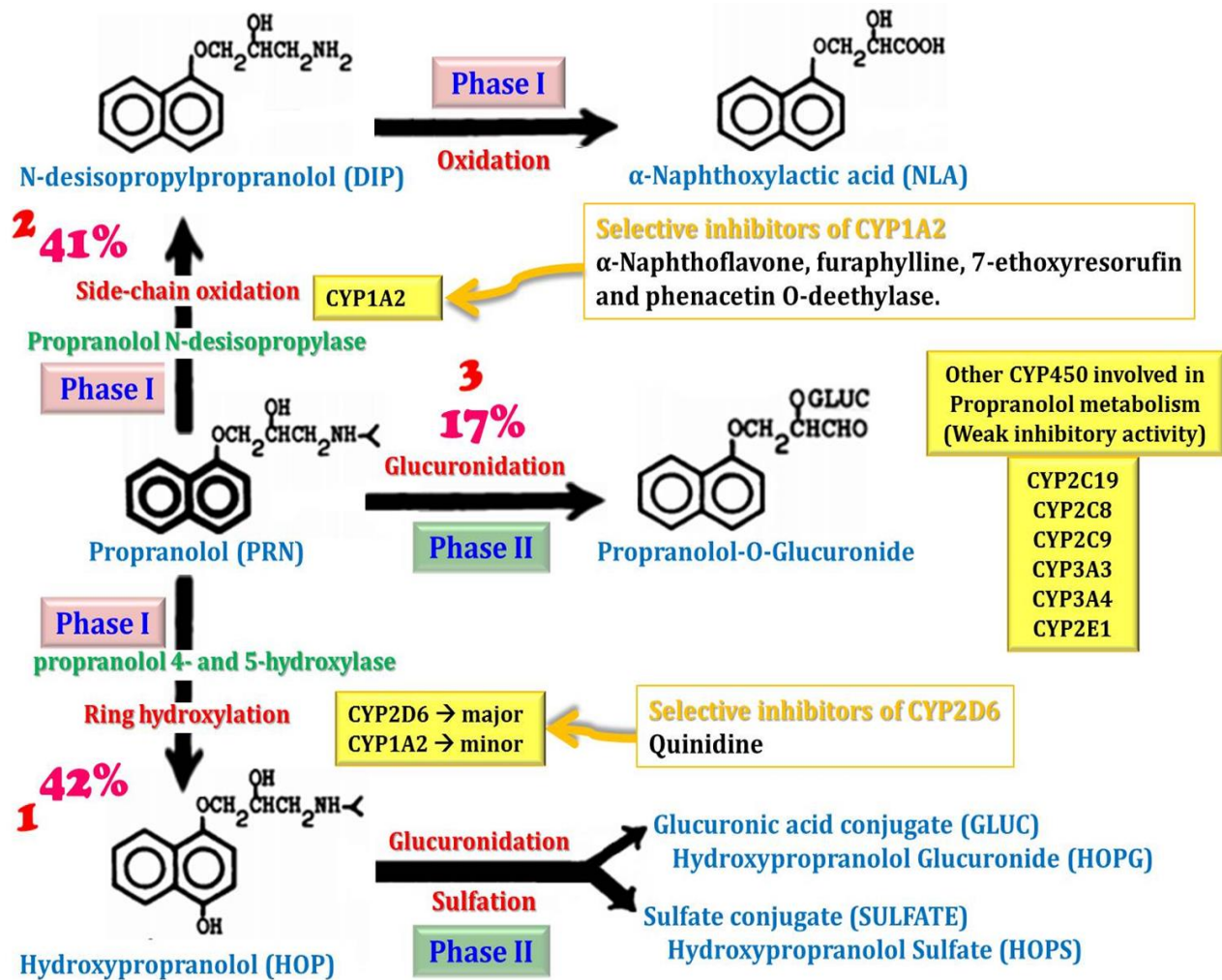


Figure 1.4 Propranolol major metabolic pathways. Adapted and modified from (Marathe *et al.* 1994; Walle *et al.* 1985).