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In addition to the expression and purification of P450 enzymes, work is being done on the binding of ligands to fatty acid binding protein 1 (FABP1). The protein (F) has two binding sites for ligands (S), and occupancy of one with a fluorescent ligand such as DAUDA (5,11-dodecanoic acid) allows for quantification of binding to the second site. These analyses are being extended to more hydrophobic P450 substrates, including drugs, steroids, and carcinogens.

