

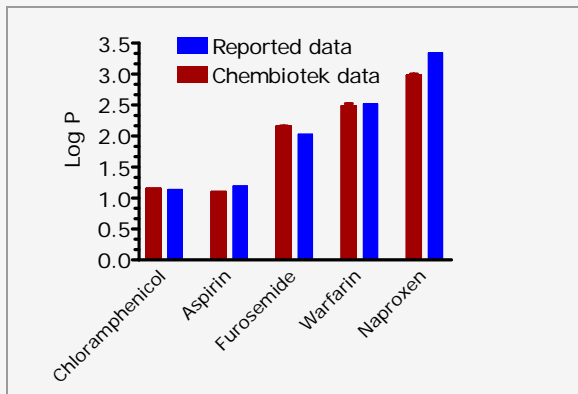
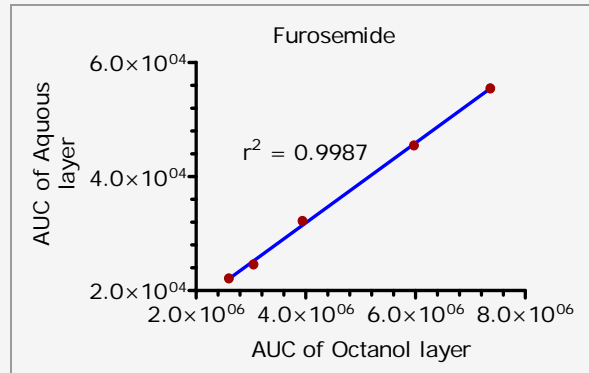
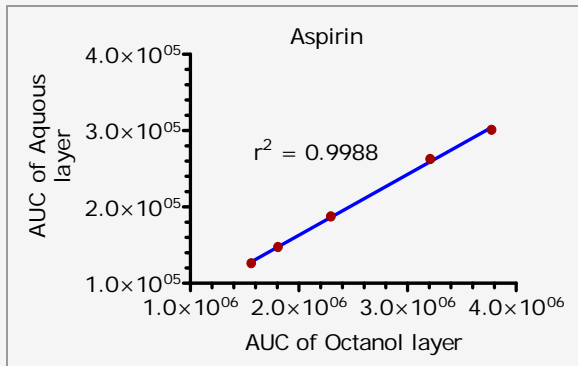
Partition Coefficient-Log P: (Octanol/Water or Buffer)

Addition of DMSO solution of test compounds in miniaturized shake-flask for distribution between octanol and water/suitable buffer followed by HPLC quantitation. Different buffers and pH matrices possible. Knowledge of pKa is necessary.

Test condition : 5 vol. ratios of Octanol/Aqueous (N=3), phase mixing, separation, RT

Detection : RP-HPLC-UV/Vis or Spectramax plate reader

Results of some Standard drugs



Drug	Chembiotek data	Reported data
Chloramphenicol	1.15	1.14
Aspirin	1.10	1.19
Furosemide	2.15	2.03
Warfarin	2.48	2.52
Naproxen	3.00	3.34