

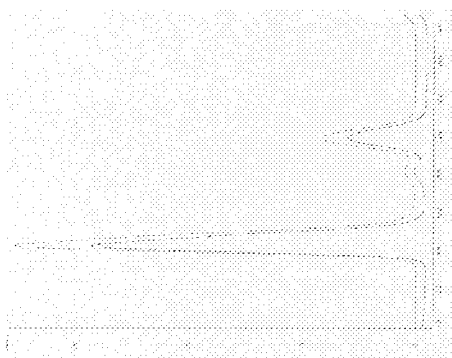


Figure 1

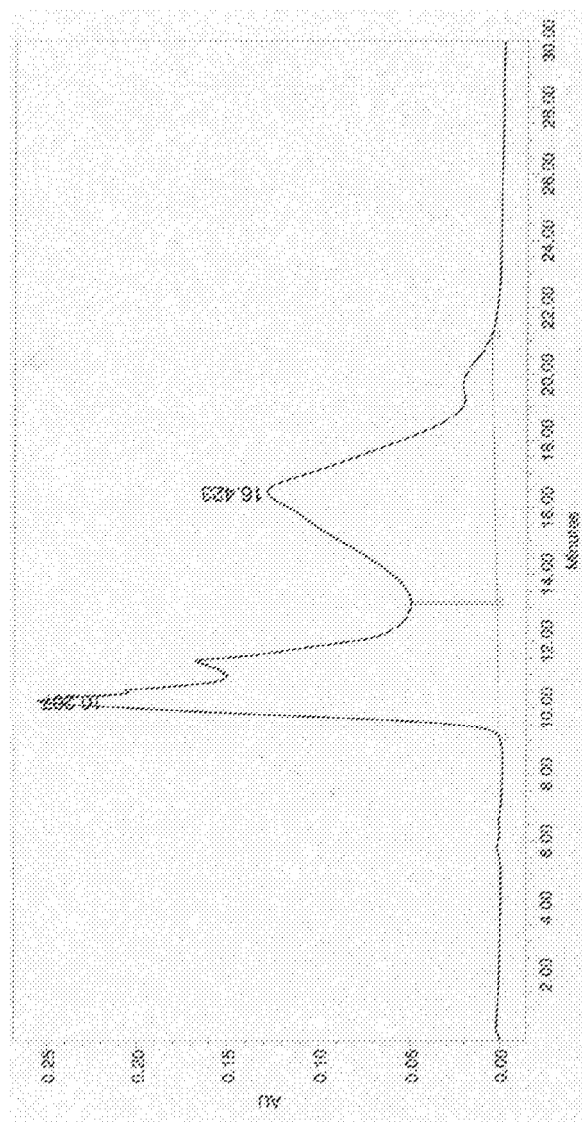


Figure 2

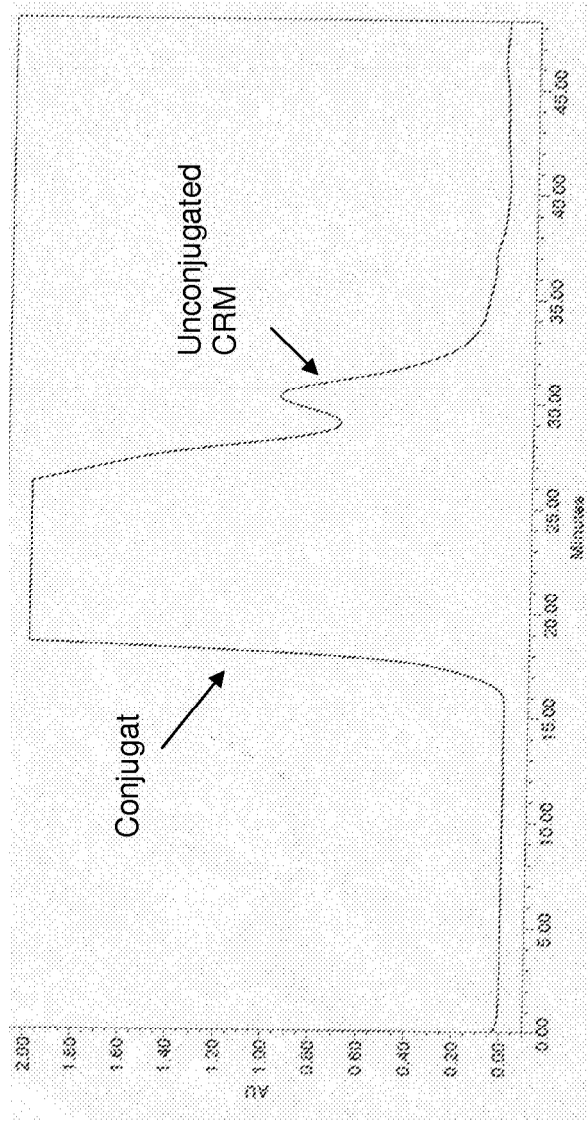


Figure 3

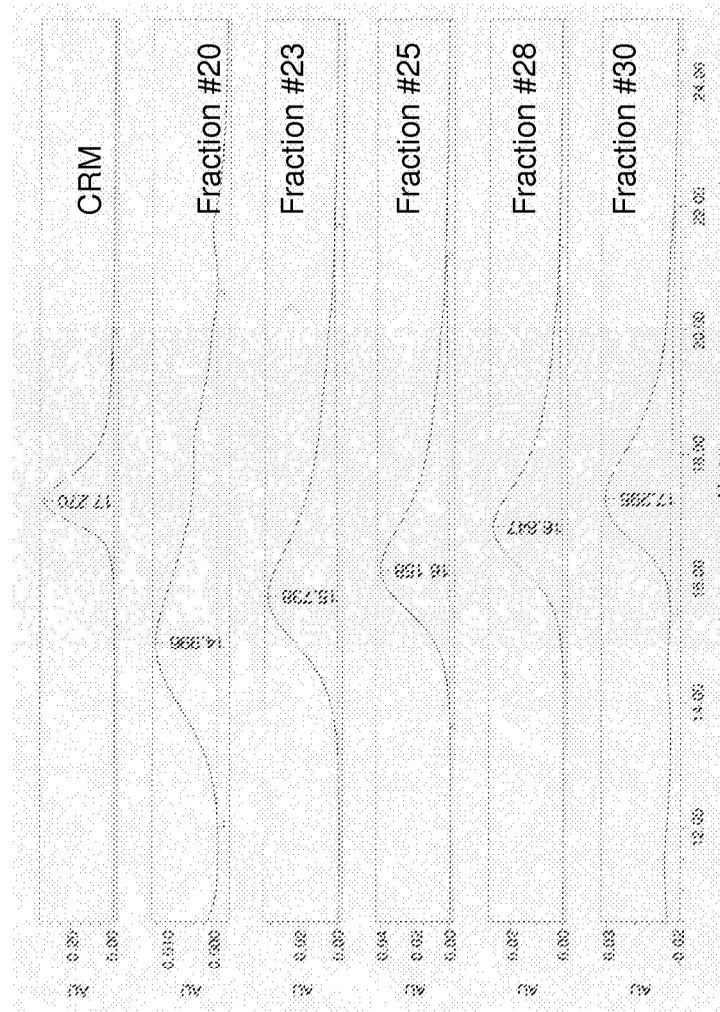
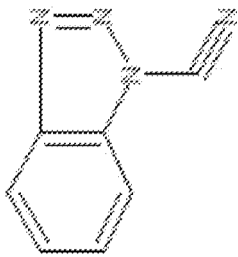
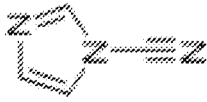


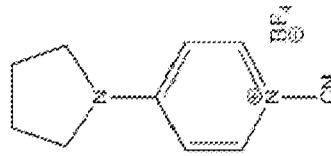
Figure 4



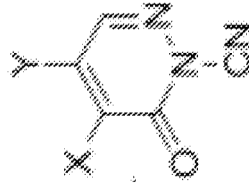
1-cyanobenzotriazole
(1-CBT)



1-cyanoimidazole
(1-Cl)



1-cyano-4-pyrrolidinopyridinium tetrafluoroborate
(CPIP or CPPT)



2-cyanopyridazin-3(2H)one
(2-CPO)

X Cl Cl Cl Cl Br Cl
Y Cl OMs N₃ QPh Br N(Me)CH₂Ph Si(CH₃)₃Ph

Figure 5