Figure 8.4 Correlation between the enthalpies ($-\Delta H$, kcal/mol) of dihydrogen bond formation (DHB) and proton transfer (PT). Data obtained in CH$_2$Cl$_2$ for the reaction of (CF$_3$)$_3$COH with (triphos)Re(CO)$_2$H (1) [52], (CF$_3$)$_2$CHOH with Cp*FeH(dppe) (3) [42], (triphos)Ru(CO)$_2$H (4) [53], Cp*RuH(dppe) (5) [44], RuH$_2$(dppm)$_2$ (6) [54], and CF$_3$CH$_2$OH with Cp*MoH$_2$(dppe) (2) [23], (PP$_3$)OsH$_2$ (7) [47]. Reproduced from Reference 33 by permission of the John Wiley and Sons.