X_1 = [N(Me)$_2$, NHMe, NH$_2$, NHEt, NH(C$_3$H$_7$), OH,
OMe, OEt, NHCON(Me)$_2$, NHCONHMe,
NHCONH$_2$, NHCOEt, NHCOMe, F, Cl, Br, I, CN,
Me, OCONH$_2$, COOH, COOEt, N(Me)$_3^+$, NO$_2$]

X_2 = [X_1, H]

Y = [C, N]