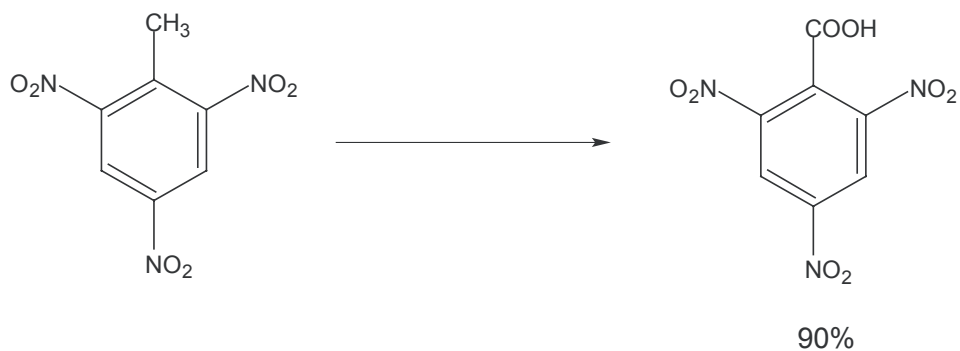
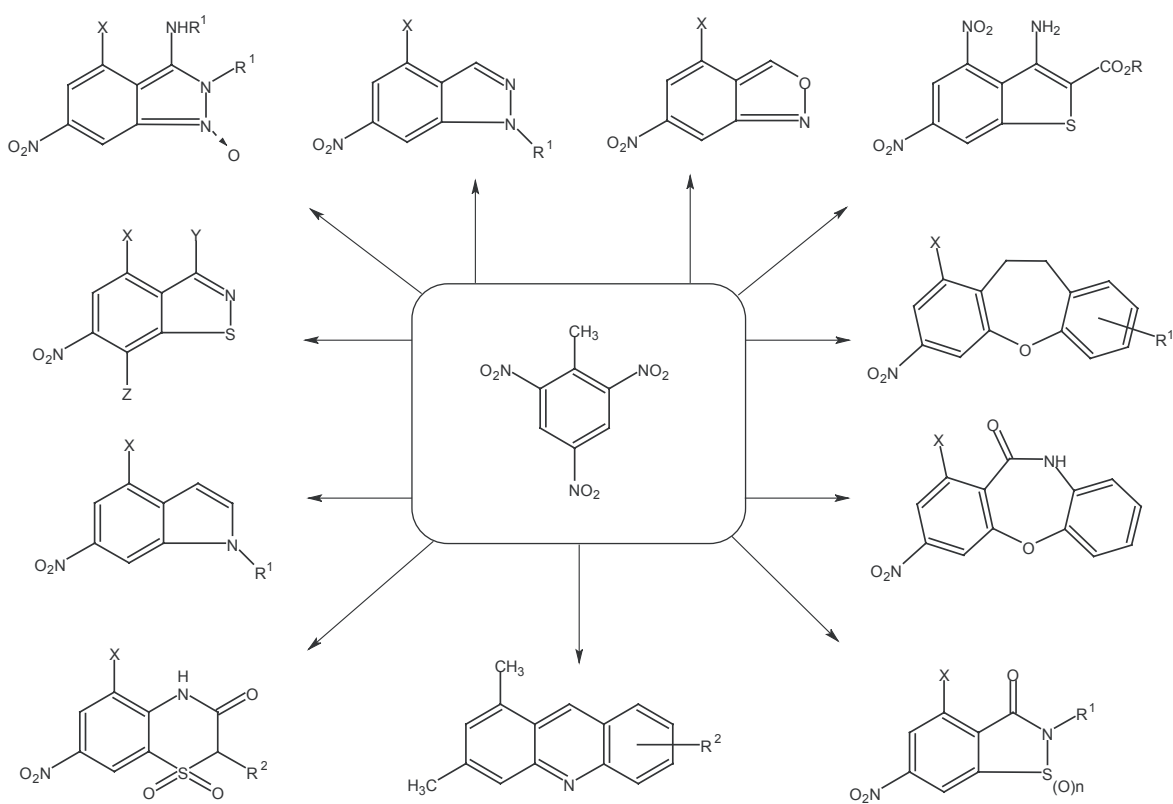


Heterocycles from TNT

Oxydation of methyl in aromatic compounds
productivity - 100 g /month



Products



$R^1 = \text{H, Alk, Ar, Ac, SO}_2\text{Ar}$

$R^2 = \text{Alk, Ar, OR, Hal}$

$X = \text{NO}_2, \text{OR, SR, NHR, F, N}_3$

$Y = \text{OH, OR, Cl}$

$Z = \text{H, NH}_3$