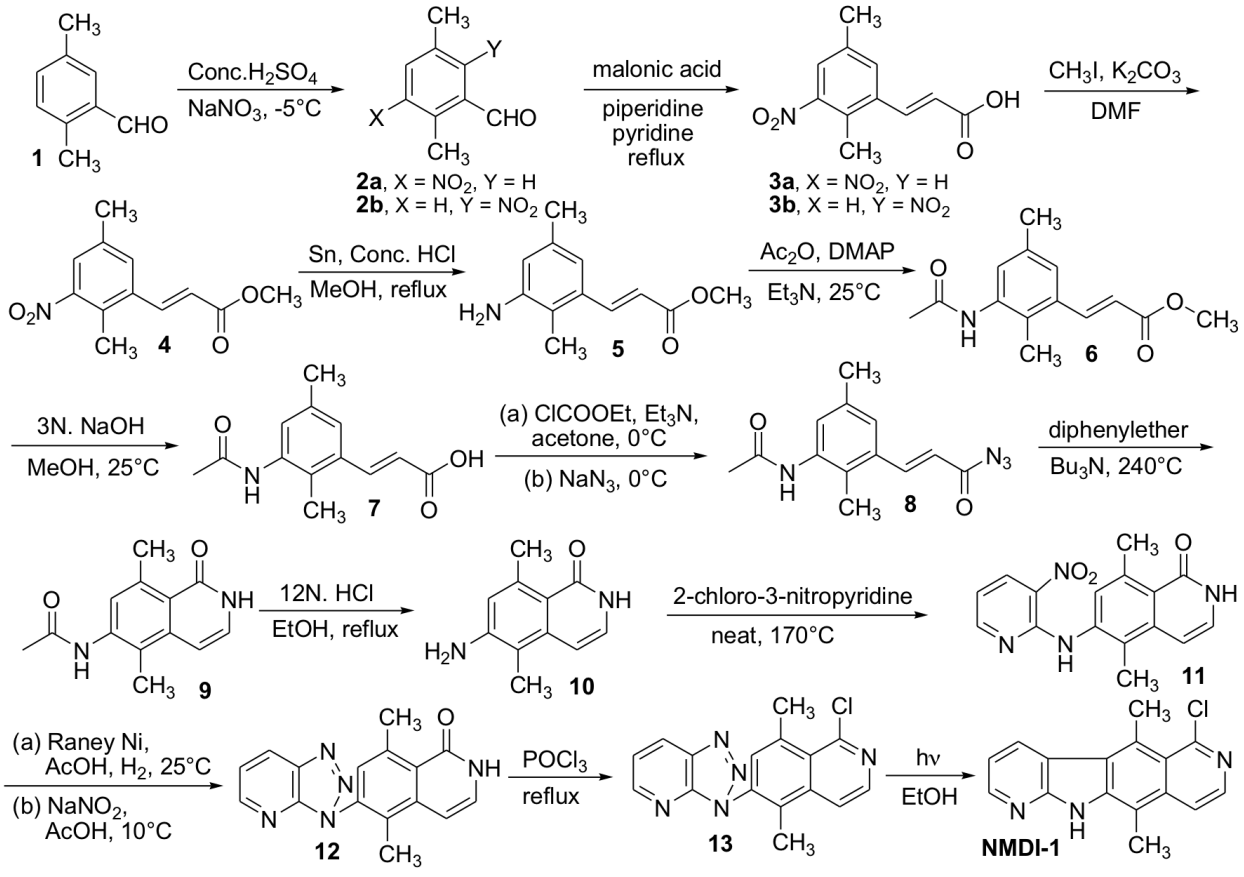
Conc.H2SO4
NaNO3, -5°C
malonic acid
piperidine
pyridine
reflux
CH3I, K2CO3
DMF
2a, X = NO2, Y = H
2b, X = H, Y = NO2
3a, X = NO2, Y = H
3b, X = H, Y = NO2
Sn, Conc. HCl
MeOH, reflux
Ac2O, DMAP
Et3N, 25°C
3N. NaOH
MeOH, 25°C
(a) ClCOOEt, Et3N,
acetone, 0°C
(b) NaN3, 0°C
diphenylether
Bu3N, 240°C
12N. HCl
EtOH, reflux
2-chloro-3-nitropyridine
neat, 170°C
(a) Raney Ni,
AcOH, H2, 25°C
(b) NaNO2,
AcOH, 10°C
POCl3
reflux
hν
EtOH
NMDI-1

Figure S7