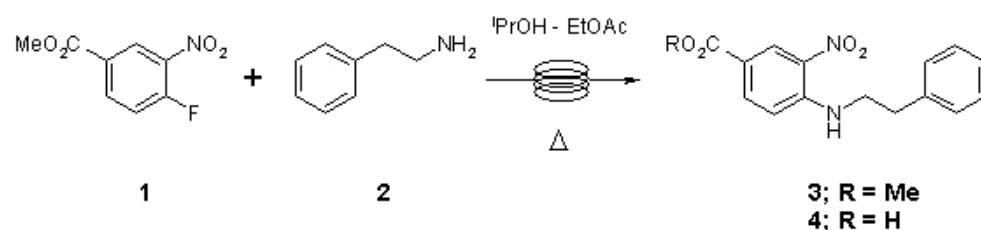


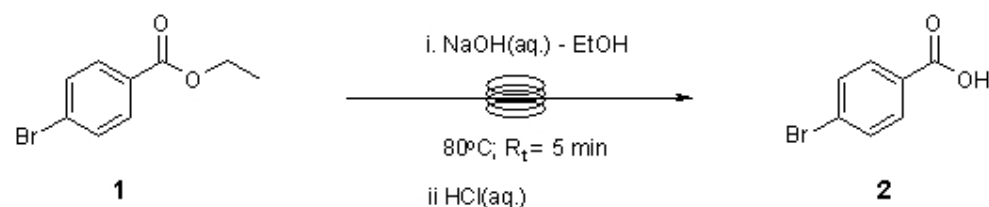
# FlowSyn Application Notes

- Note 1: SNAr
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- Note 4: Esterification
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- Note 6: 2-Thiobenz- imidazolinone Synthesis
- Note 7: Chlorothio- benzimidazolinone Synthesis
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- Note 21: Bromination
- Note 22: Flow Nitration
- Note 23: Benzimidazole Synthesis
- Note 24: 3-Hydroxy-4-quinolone

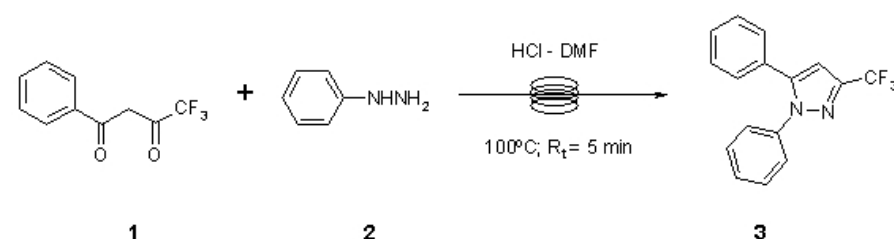
## Note 1: SNAr

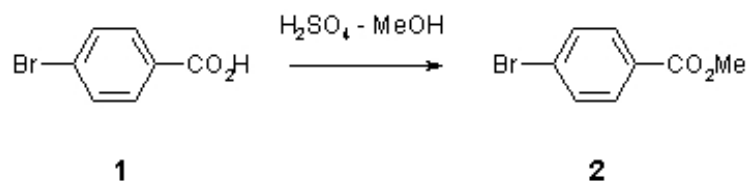
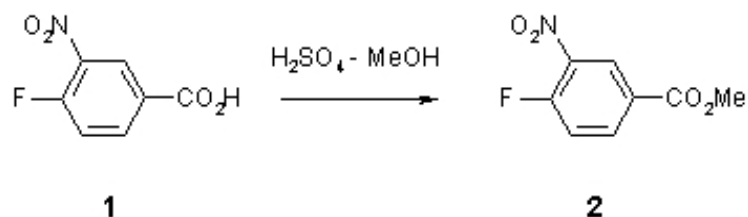
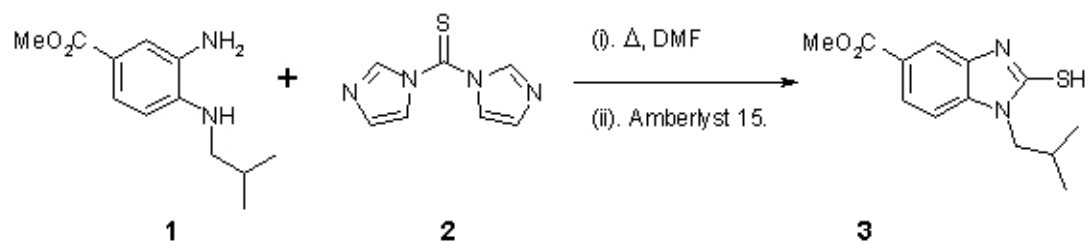
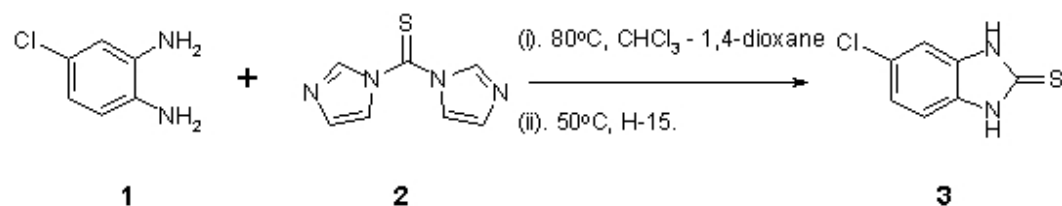
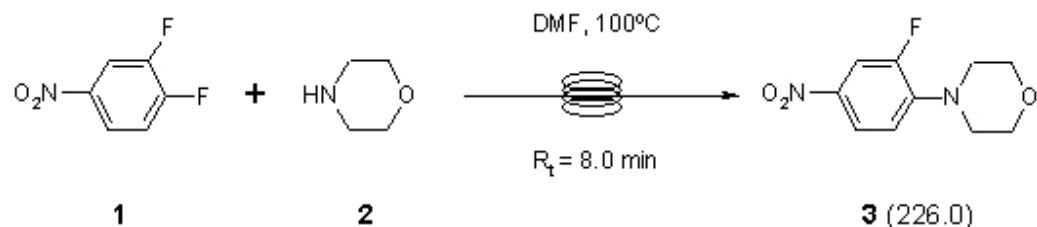
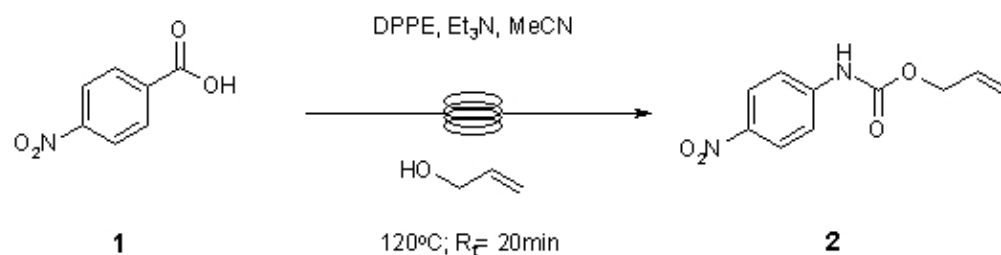
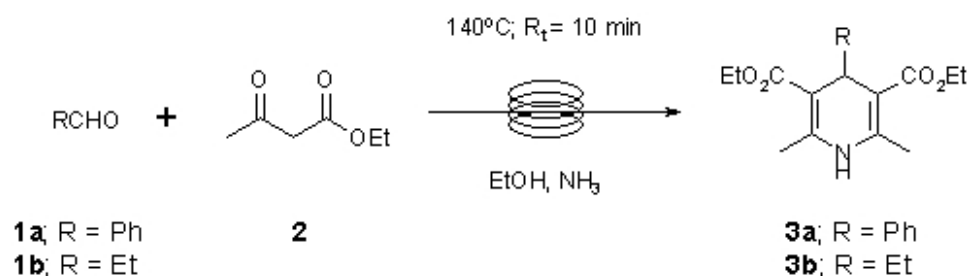


## Note 2: Ester Hydrolysis

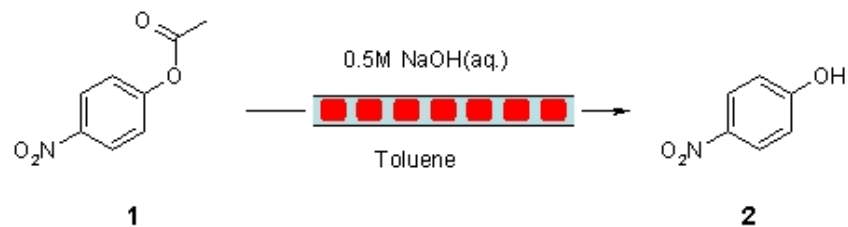


## Note 3: Knorr Pyrazole Synthesis

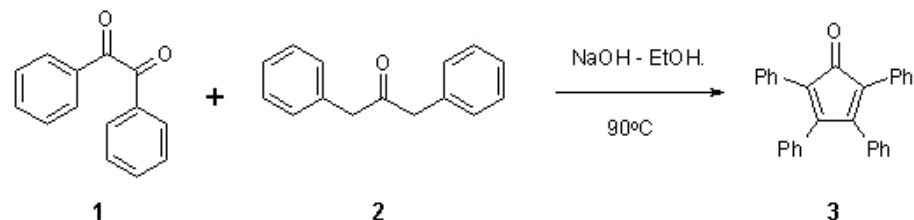


**Note 4: Esterification****Note 5: Esterification (Example 1)****Note 6: 2-Thiobenzimidazolinone Synthesis****Note 7: Chlorothio-benzimidazolinone Synthesis****Note 8: Scale-up Synthesis of a Zyxox Intermediate****Note 9: Curtius Rearrangement****Note 10: Hantzsch Dihydropyridine Synthesis**

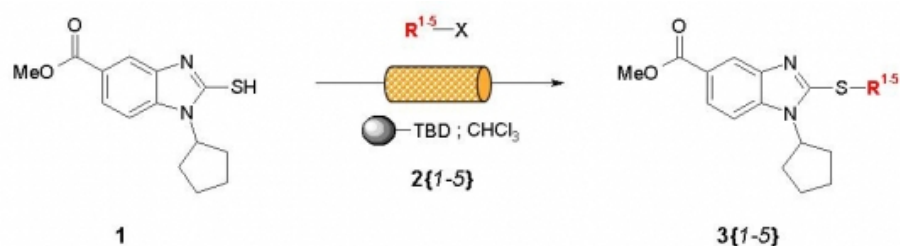
### Note 11: Ester Hydrolysis under Segmented Plug Flow Conditions



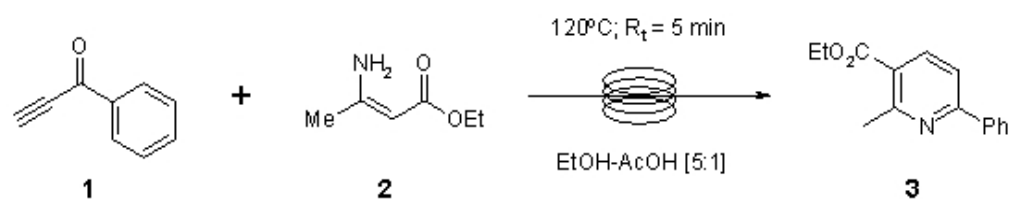
### Note 12: Condensation Reaction



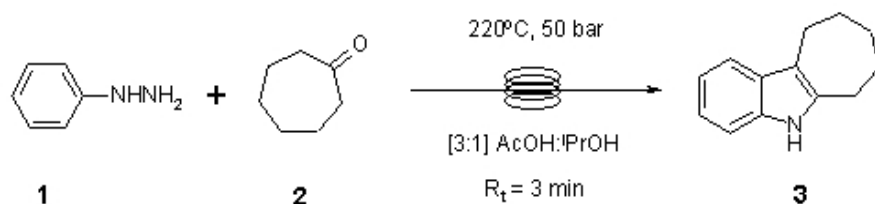
### Note 14: Catch-and-Release Array Synthesis



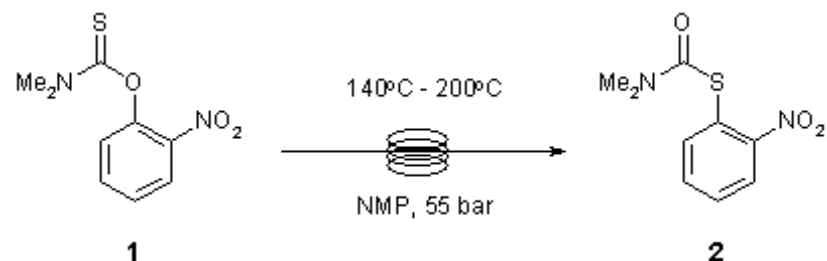
### Note 15: Bohlmann-Rahtz Pyridine Synthesis



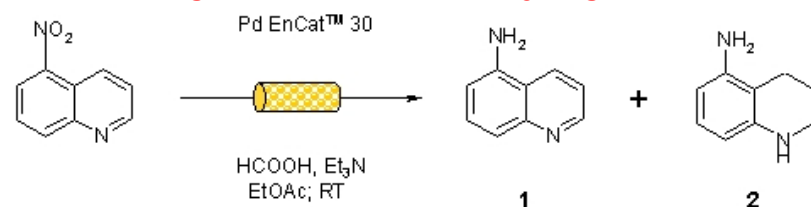
### Note 16 - Fischer Indole Synthesis



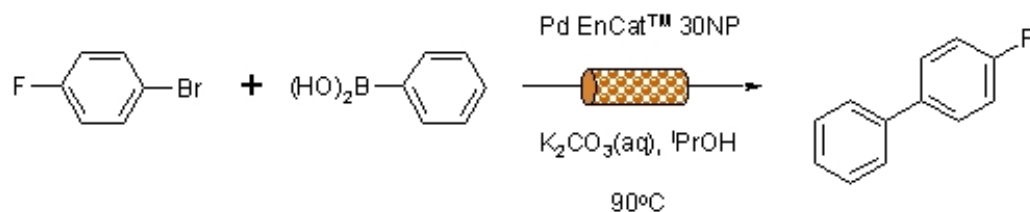
### Note 17: Newman Kwart Rearrangement



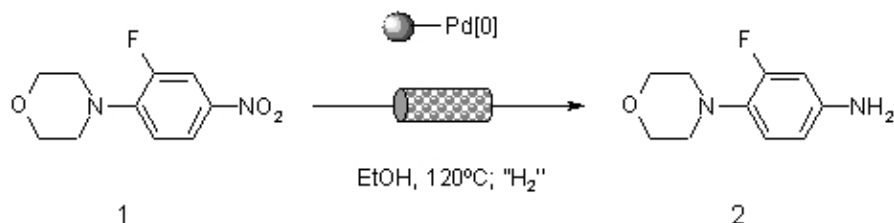
### Note 18: Using Pd EnCat for transfer hydrogenation



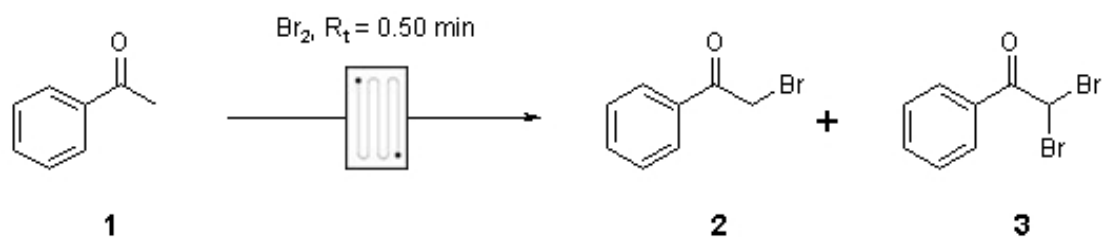
### Note 19: Suzuki-Miyaura



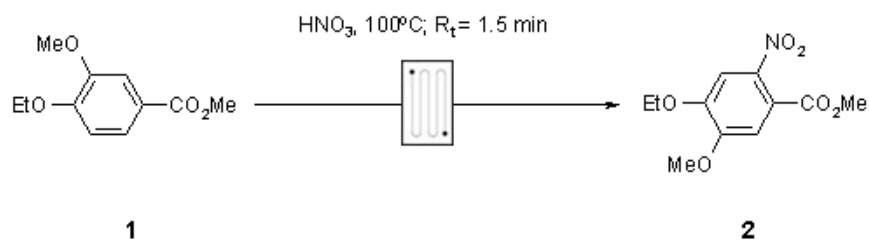
### Note 20: Transfer Hydrogenation using Nanoparticulate Pd[0]



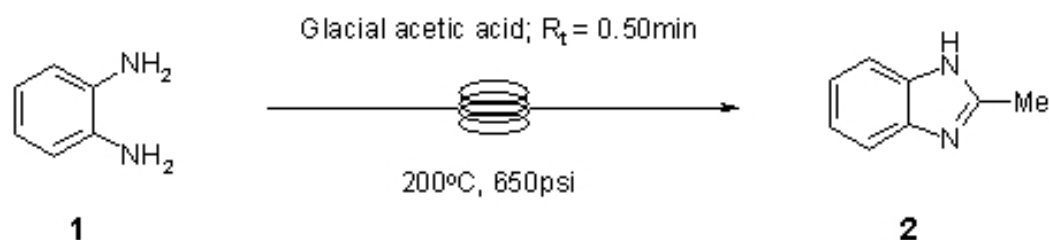
### Note 21: Bromination



### Note 22: Flow Nitration



### Note 23: Benzimidazole Synthesis



### Note 24: 3-Hydroxy-4-quinolone

