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Stereoselective organocatalyzed intramolecular aza-Michael reaction for the preparation of 3-substituted isoindolinones. Application to the synthesis of a new pazinaclone analogue

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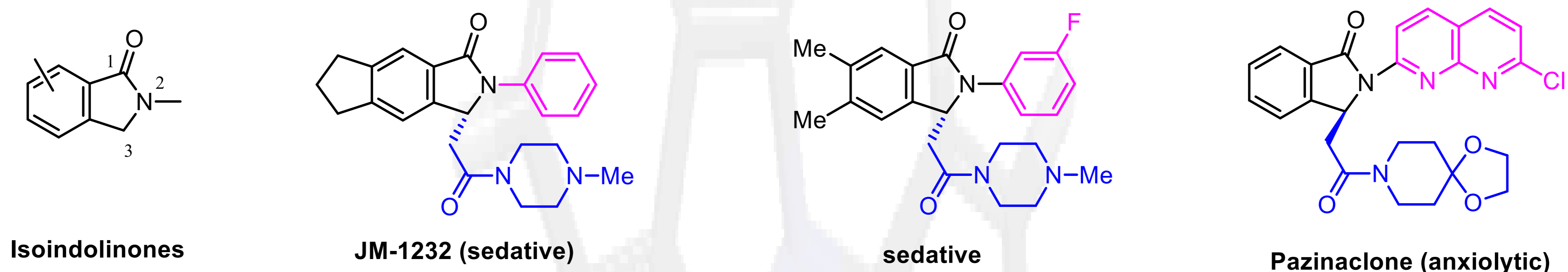
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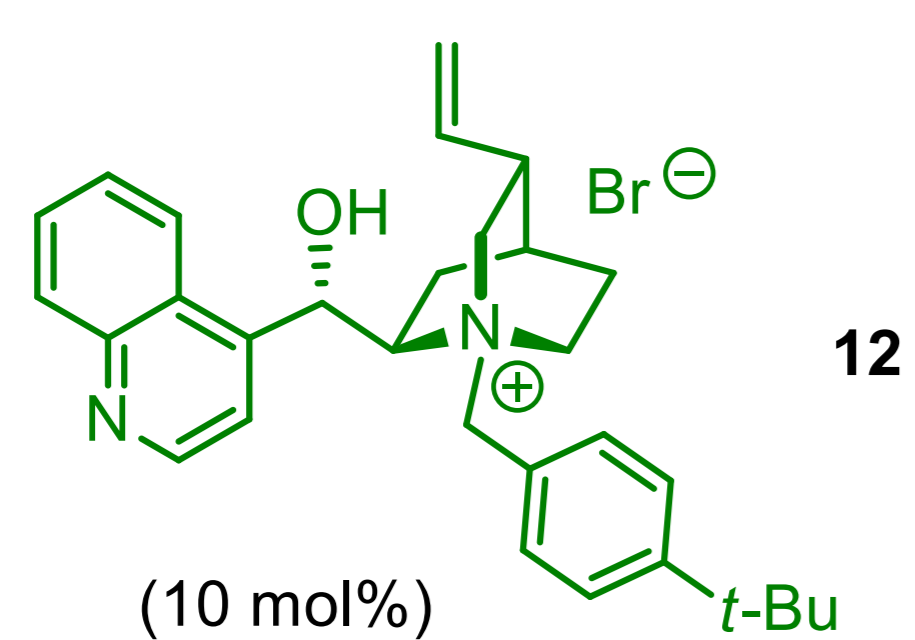
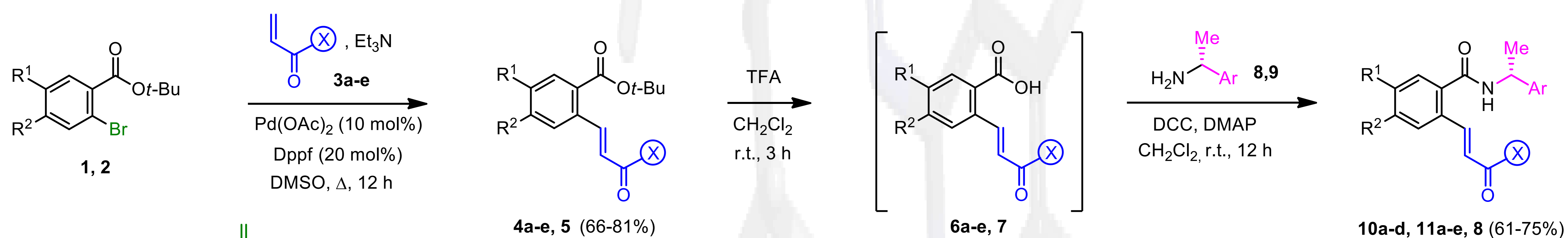
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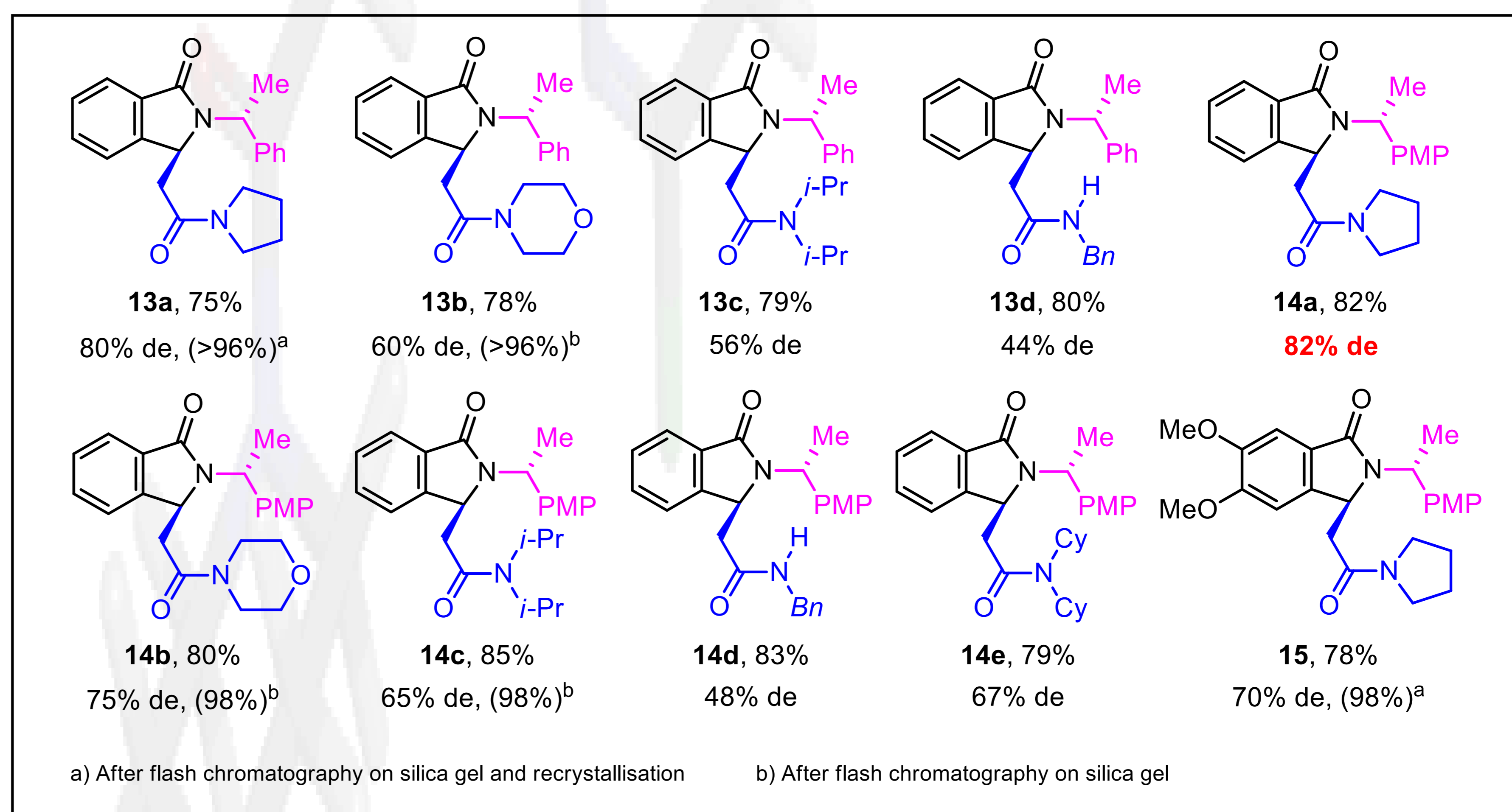
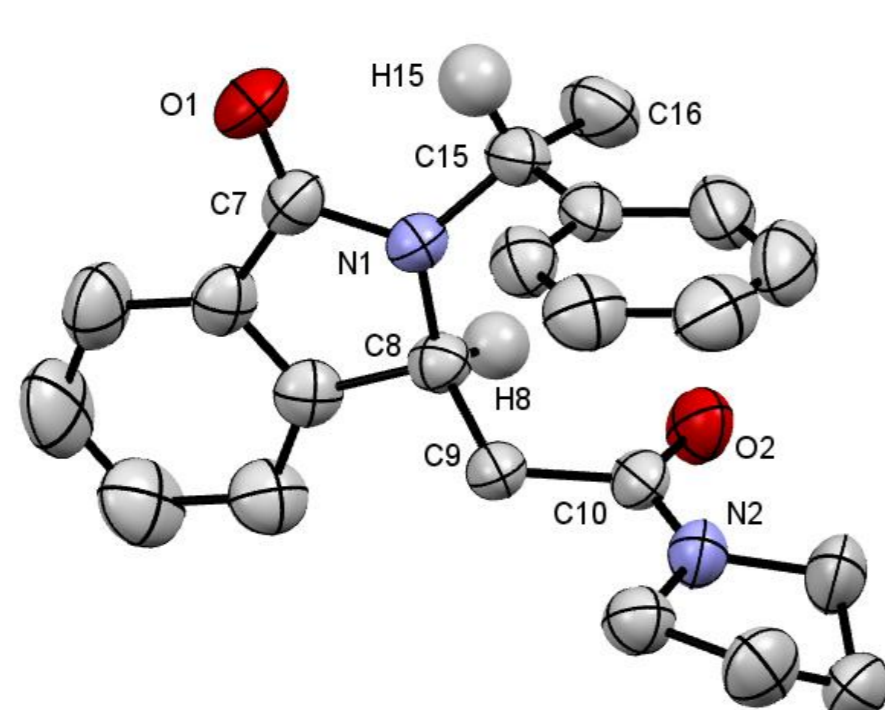
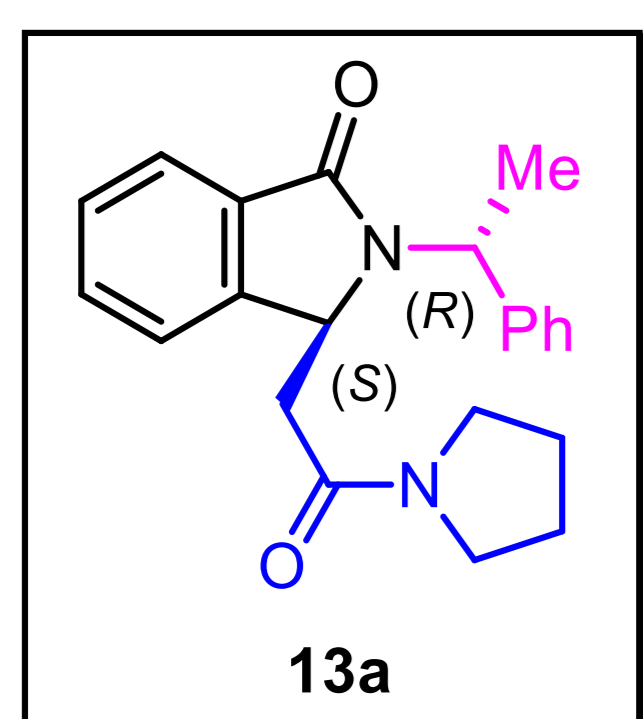
Examples of synthetic pharmacologically active chiral 3-(N,N-disubstituted)acetamido isoindolinones (benzodiazepine receptor agonist)



Synthesis of 3-substituted isoindolinones



Cs_2CO_3 (1.3 eq.)
toluene
r.t., 36 h



Application to total synthesis of (S)-Pazinaclone analogue

