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Supporting Information

Iodide-umpolung catalytic system for the nontraditional amide coupling from nitroalkanes and amines

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¹H, ¹³C, ¹⁹F, and ³¹P NMR Spectra





Figure S2. ¹³C NMR spectrum of compound 10 (CDCl₃, 75 MHz)



Figure S3. ¹H NMR spectrum of compound 1p (CDCl₃, 300 MHz)



Figure S4. ¹³C NMR spectrum of compound 1p (CDCl₃, 75 MHz)



Figure S6. ¹³C NMR spectrum of compound 1q (CDCl₃, 75 MHz)



Figure S7. ¹H NMR spectrum of compound 1r (CDCl₃, 300 MHz)



Figure S8. ¹³C NMR spectrum of compound 1r (CDCl₃, 75 MHz)



Figure S10. ¹H NMR spectrum of compound 1s (CDCl₃, 300 MHz)



Figure S12. ¹H NMR spectrum of compound 3a (CDCl₃, 300 MHz)



Figure S14. ¹H NMR spectrum of compound **3b** (CDCl₃, 300 MHz)



Figure S16. ¹H NMR spectrum of compound 3c (CDCl₃, 300 MHz)



Figure S18. ¹H NMR spectrum of compound 3d (CDCl₃, 300 MHz)



Figure S20. ¹H NMR spectrum of compound 3e (CDCl₃, 300 MHz)



Figure S22. ¹H NMR spectrum of compound 3f (CDCl₃, 300 MHz)



Figure S24. ¹H NMR spectrum of compound 3g (CDCl₃, 300 MHz)



Figure S26. ¹H NMR spectrum of compound **3h** (CDCl₃, 300 MHz)



Figure S28. ¹H NMR spectrum of compound 3i (CDCl₃, 300 MHz)



Figure S30. ¹H NMR spectrum of compound 3j (CDCl₃, 300 MHz)



Figure S32. ¹H NMR spectrum of compound 3k (CDCl₃, 300 MHz)



Figure S34. ¹H NMR spectrum of compound 3l (CDCl₃, 300 MHz)



Figure S36. ¹H NMR spectrum of compound 3m (CDCl₃, 300 MHz)



Figure S38. ¹H NMR spectrum of compound 3n (CDCl₃, 300 MHz)



Figure S40. ¹H NMR spectrum of compound 3oe (CDCl₃, 300 MHz)



Figure S42. ¹H NMR spectrum of compound **3p** (CDCl₃, 300 MHz)



Figure S44. ¹H NMR spectrum of compound 3q (CDCl₃, 300 MHz)







Figure S46. ¹H NMR spectrum of compound 3r (CDCl₃, 300 MHz)



Figure S48. ³¹P NMR spectrum of compound 3r (CDCl₃, 121 MHz)



Figure S50. ¹³C NMR spectrum of compound 3s (CDCl₃, 75 MHz)



Figure S52. ¹³C NMR spectrum of compound 3t (CDCl₃, 75 MHz)



Figure S54. ¹³C NMR spectrum of compound 3ab (CDCl₃, 75 MHz)



Figure S56. ¹³C NMR spectrum of compound 3ac (CDCl₃, 75 MHz)



Figure S58. ¹H NMR spectrum of compound 3ad (CDCl₃, 300 MHz)



Figure S60. ¹H NMR spectrum of compound 3ae (CDCl₃, 300 MHz)









Figure S64. ¹H NMR spectrum of compound **3ag** (CDCl₃, 300 MHz)



Figure S66. ¹H NMR spectrum of compound **3ah** (CDCl₃, 300 MHz)







Figure S74. ¹H NMR spectrum of compound **3al** (CDCl₃, 300 MHz)



Figure S76. ¹H NMR spectrum of compound 3am (CDCl₃, 300 MHz)



Figure S78. ¹H NMR spectrum of compound 3an (CDCl₃, 300 MHz)



Figure S80. ¹H NMR spectrum of compound 3ao (CDCl₃, 300 MHz)





Figure S82. ¹H NMR spectrum of compound 3ap (CDCl₃, 300 MHz)





Figure S86. ¹H NMR spectrum of compound 3ar (CDCl₃, 300 MHz)





Figure S90. ¹H NMR spectrum of compound **3at** (CDCl₃, 300 MHz)



Figure S92. ¹H NMR spectrum of compound 3au (CDCl₃, 300 MHz)

Figure S93. ¹³C NMR spectrum of compound 3au (CDCl₃, 75 MHz)





Figure S97. ¹³C NMR spectrum of compound 3aw (CDCl₃, 75 MHz)



Figure S98. ¹H NMR spectrum of compound **3ax** (CDCl₃, 300 MHz)





160 150 140 130 120 110 100 90 10 ppm

Figure S101. ¹³C NMR spectrum of compound 4a (CDCl₃, 75 MHz)