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Supporting Information

An efficient route to synthesize isatins by metal-free, iodine-catalyzed sequential C(sp³)–H oxidation and intramolecular C–N bond formation of 2'-aminoacetophenones

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Figure S1. ¹H NMR spectrum of compound 2a (400 MHz, CDCl₃)



Figure S2. ¹³C NMR spectrum of compound 2a (100 MHz, CDCl₃)





Figure S4. ¹³C NMR spectrum of compound 2b (100 MHz, CDCl₃)



Figure S6. ¹³C NMR spectrum of compound **2c** (100 MHz, CDCl₃)



Figure S8. ¹³C NMR spectrum of compound 2d (100 MHz, CDCl₃)



Figure S9. ¹H NMR spectrum of compound 2e (400 MHz, CDCl₃)



Figure S10. ¹³C NMR spectrum of compound 2e (100 MHz, CDCl₃)



Figure S12. ¹³C NMR spectrum of compound 2f (100 MHz, CDCl₃)





Figure S14. ¹³C NMR spectrum of compound 2g (100 MHz, CDCl₃)



Figure S15. ¹H NMR spectrum of compound **2h** (400 MHz, DMSO-*d*₆)



Figure S16. ¹³C NMR spectrum of compound 2h (100 MHz, DMSO-*d*₆)







Figure S20. ¹³C NMR spectrum of compound 2j (100 MHz, CDCl₃)



Figure S22. ¹³C NMR spectrum of compound 2k (100 MHz, CDCl₃)



Figure S23. ¹H NMR spectrum of compound 2l (400 MHz, CDCl₃)



Figure S24. ¹³C NMR spectrum of compound 2l (100 MHz, CDCl₃)



Figure S25. ¹H NMR spectrum of compound 2m (400 MHz, CDCl₃)







Figure S27. ¹H NMR spectrum of compound 2n (400 MHz, CDCl₃)





Figure S28. ¹³C NMR spectrum of compound 2n (100 MHz, CDCl₃)







Figure S30. ¹³C NMR spectrum of compound 20 (100 MHz, CDCl₃)





Figure S32. ¹³C NMR spectrum of compound **2p** (100 MHz, CDCl₃)



Figure S34. ¹³C NMR spectrum of compound 3 (100 MHz, CDCl₃)







Figure S37. ¹H NMR spectrum of compound 2q (400 MHz, DMSO-*d*₆)

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Figure S40. ¹³C NMR spectrum of compound 5 (100 MHz, DMSO-*d*₆)



Figure S42. ¹³C NMR spectrum of compound 6 (100 MHz, CDCl₃)



Figure S44. ¹³C NMR spectrum of compound 7 (100 MHz, CDCl₃)



Figure S46. ¹³C NMR spectrum of compound 8 (100 MHz, CDCl₃)



Figure S48. ¹³C NMR spectrum of compound 9 (100 MHz, CDCl₃)







Figure S50. ¹³C NMR spectrum of compound 10 (100 MHz, CDCl₃)