

Supporting Information

2-Oxindole Act as a Synthone of 2-Aminobenzoyl Anion in the K₂CO₃-Catalyzed Reaction with Enones: Preparation of 1,4-Diketones Bearing an Amino Group and Their Further Transformations

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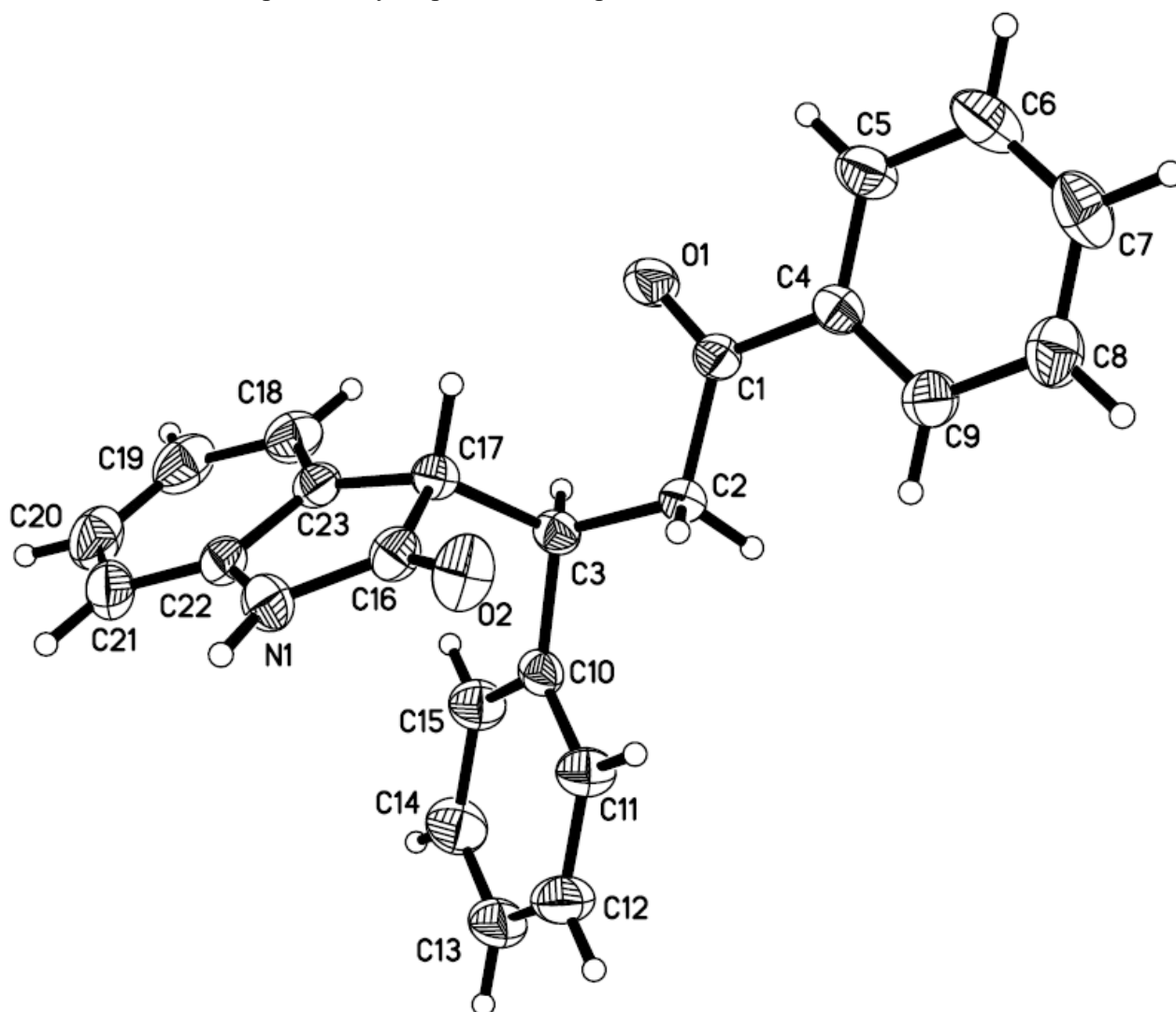
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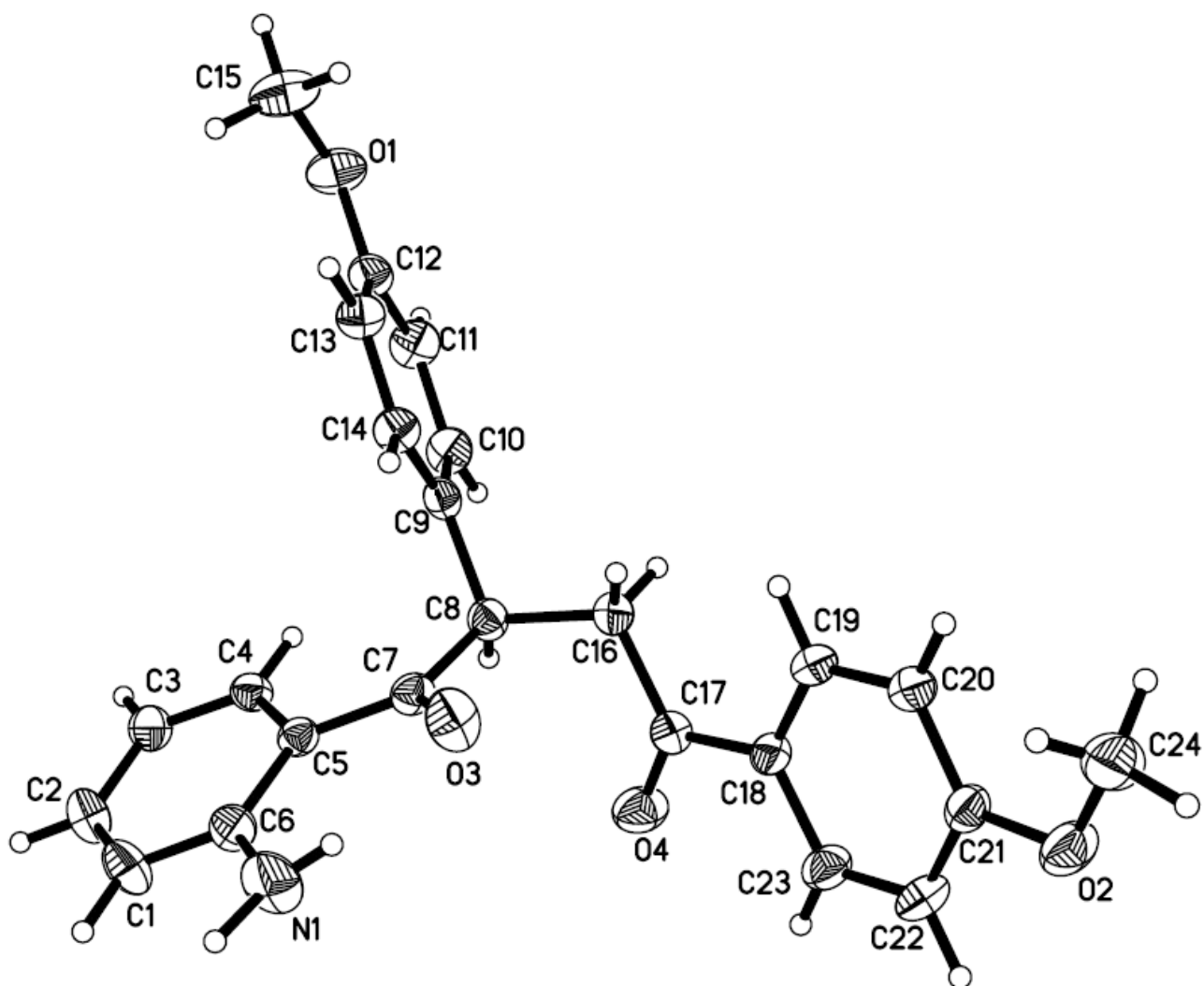
Single Crystal Structure of Compounds 3a , 4al , and 12	S3–5
¹ H NMR, ¹³ C NMR Spectra of the Compounds	S6–41
¹ H NMR and ¹³ C NMR spectra of 3a	S6
¹ H NMR spectra of the mixture of 3a and 3b	S7
¹ H NMR and ¹³ C NMR spectra of 4aa	S8
¹ H NMR and ¹³ C NMR spectra of 4ab	S9
¹ H NMR and ¹³ C NMR spectra of 4ac	S10
¹ H NMR and ¹³ C NMR spectra of 4ad	S11
¹ H NMR and ¹³ C NMR spectra of 4ae	S12
¹ H NMR and ¹³ C NMR spectra of 4af	S13
¹ H NMR and ¹³ C NMR spectra of 4ag	S14
¹ H NMR and ¹³ C NMR spectra of 4ah	S15
¹ H NMR and ¹³ C NMR spectra of 4ai	S16
¹ H NMR and ¹³ C NMR spectra of 4aj	S17
¹ H NMR and ¹³ C NMR spectra of 4ak	S18
¹ H NMR and ¹³ C NMR spectra of 4al	S19
¹ H NMR and ¹³ C NMR spectra of 4am	S20
¹ H NMR and ¹³ C NMR spectra of 4an	S21
¹ H NMR and ¹³ C NMR spectra of 4ao	S22
¹ H NMR and ¹³ C NMR spectra of 4ap	S23
¹ H NMR and ¹³ C NMR spectra of 4aq	S24
¹ H NMR and ¹³ C NMR spectra of 4ar	S25

¹ H NMR and ¹³ C NMR spectra of 4as	S26
¹ H NMR and ¹³ C NMR spectra of 4at	S27
¹ H NMR and ¹³ C NMR spectra of 4ba	S28
¹ H NMR and ¹³ C NMR spectra of 4ca	S29
¹ H NMR and ¹³ C NMR spectra of 4da	S30
¹ H NMR and ¹³ C NMR spectra of 4ea	S31
¹ H NMR and ¹³ C NMR spectra of 4fa	S32
¹ H NMR and ¹³ C NMR spectra of 4ga	S33
¹ H NMR and ¹³ C NMR spectra of 5	S34
¹ H NMR and ¹³ C NMR spectra of 6	S35
¹ H NMR and ¹³ C NMR spectra of 9	S36
¹ H NMR and ¹³ C NMR spectra of 10	S37
¹ H NMR and ¹³ C NMR spectra of 11	S38
¹ H NMR and ¹³ C NMR spectra of 12	S39
¹ H NMR and ¹³ C NMR spectra of 13	S40
¹ H NMR and ¹³ C NMR spectra of 14	S41

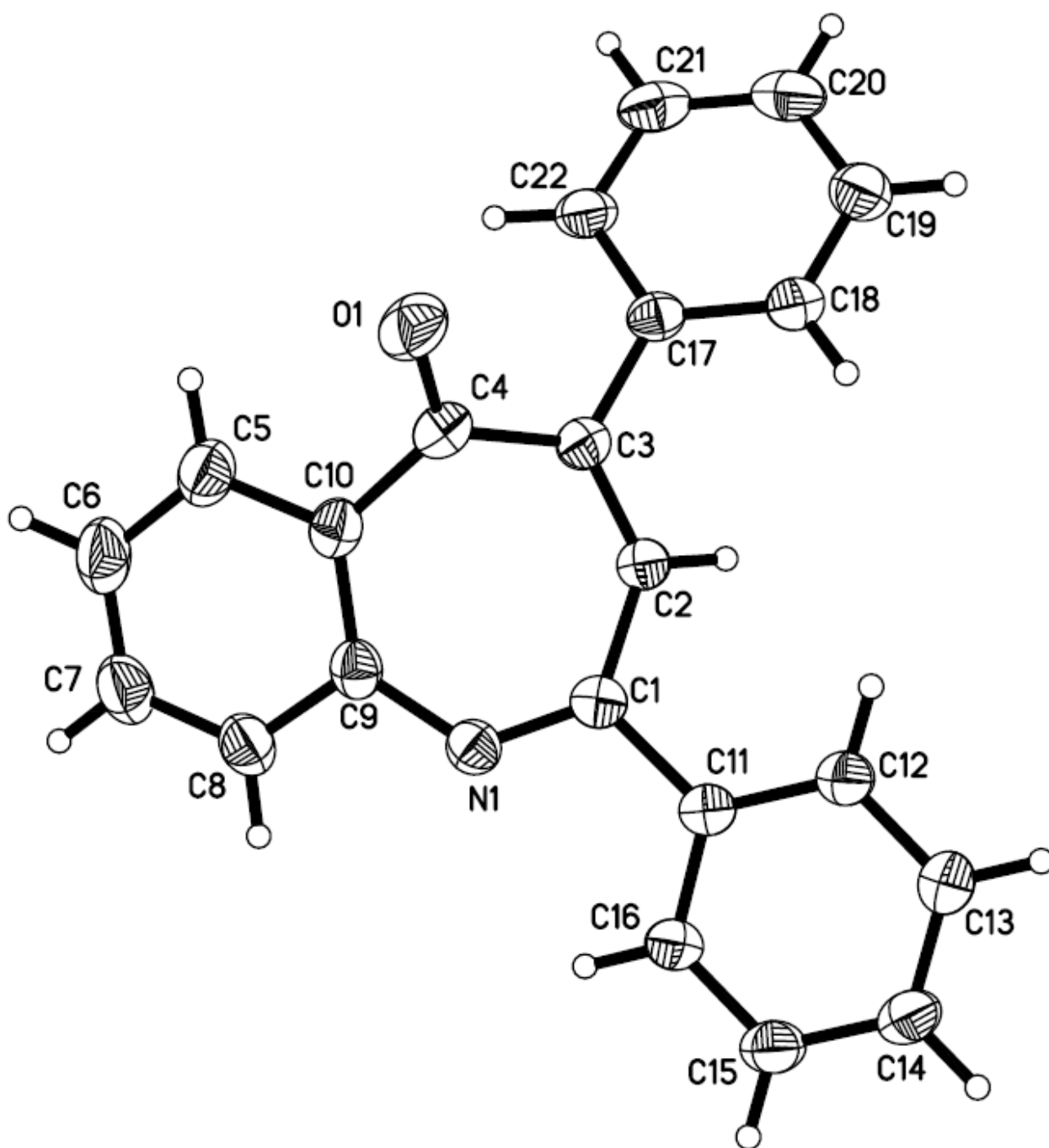
The single crystals of compounds **3a**, **4a**, and **12** were obtained by slowly evaporating the solvent from the solution in mixed solvent of ethyl acetate/petroleum ether. Their molecular structure were drawn with 30% probability displacement ellipsoids.



3a (CCDC: 1406800)



4al (CCDC: 1406801)



12 (CCDC: 1406802)

