

## Supporting Information

### Metal-Free Tandem Cycloaddition Strategy for the Synthesis of Indolizines from Pyridine Derivatives and $\gamma$ -Bromo-Crotonates under Mild Conditions

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1. Crystal data of compound **3b** P2
2. <sup>1</sup>H NMR, <sup>13</sup>C NMR, and HRMS spectra data of the products P2-P27

#### Appendix

Spectral Copies of <sup>1</sup>H NMR, <sup>13</sup>C NMR and HRMS of Compounds Obtained in this Study

**Table S1.** Details of Crystal Structure Determination for **3b**.

Compound	<b>3b</b>
Chemical formula	C <sub>22</sub> H <sub>21</sub> NO <sub>4</sub>
Formula Mass	363.40
Crystal system	Triclinic
<i>a</i> /Å	7.5360(5)
<i>b</i> /Å	8.5400(6)
<i>c</i> /Å	15.3432(11)
<i>α</i> /°	74.7452(7)
<i>β</i> /°	77.1894(8)
<i>γ</i> /°	83.1256(8)
Unit cell volume/Å <sup>3</sup>	926.97(11)
Temperature/K	293(2)
Space group	<i>P</i> $\bar{1}$
No. of formula units per unit cell, <i>Z</i>	2
No. of reflections measured	10932
No. of independent reflections	4200
<i>R</i> <sub>int</sub>	0.0205
Final <i>R</i> <sub><i>I</i></sub> values ( <i>I</i> > 2σ( <i>I</i> ))	0.0399
Final <i>wR</i> ( <i>F</i> <sup>2</sup> ) values ( <i>I</i> > 2σ( <i>I</i> ))	0.0948
Final <i>R</i> <sub><i>I</i></sub> values (all data)	0.0575
Final <i>wR</i> ( <i>F</i> <sup>2</sup> ) values (all data)	0.1048



































































