

## Supporting Information

### One-pot synthesis of pyrrolo[1,2-*a*]quinoxalines

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Single crystals of **5e** and **5g** suitable for X-ray crystal analysis were obtained by recrystallization from a hexane/CH<sub>2</sub>Cl<sub>2</sub> mixed solvent. The diffraction data was collected with a Bruker SMART CCD diffractometer using a graphite monochromated Mo K $\alpha$  radiation ( $\lambda$ = 0.71073 Å) at 298(2) or 293(2) K. The structure were solved by direct methods with SHELXS-97 program and refinements on F<sup>2</sup> were performed with SHELXL-97 program by full-matrix least-squares techniques with anisotropic thermal parameters for the non-hydrogen atoms.

**Table S1 Crystal structure determination of 5e and 5g**

Compound	<b>5e</b>	<b>5g</b>
Chemical formula	C <sub>18</sub> H <sub>13</sub> FN <sub>2</sub> O	C <sub>19</sub> H <sub>16</sub> N <sub>2</sub> O
Formula Mass	292.30	288.34
Crystal system	Monoclinic	Triclinic
<i>a</i> /Å	8.023	9.032(2)
<i>b</i> /Å	15.891	9.319(2)
<i>c</i> /Å	22.670	9.925(2)
$\alpha$ /°	90.00	88.946(2)
$\beta$ /°	97.96	73.298(2)
$\gamma$ /°	90.00	65.822(2)
Unit cell volume/Å <sup>3</sup>	2862.5	725.2(3)
Temperature/K	298(2)	293(2)
Space group	<i>C</i> 2/ <i>c</i>	<i>P</i> -1
No. of formula units per unit cell, <i>Z</i>	8	2
No. of reflections measured	12000	6179
No. of independent reflections	3301	3244
<i>R</i> <sub>int</sub>	0.0231	0.0201
Final <i>R</i> <sub><i>I</i></sub> values ( <i>I</i> > 2σ( <i>I</i> ))	0.0495	0.0563
Final <i>wR</i> ( <i>F</i> <sup>2</sup> ) values ( <i>I</i> > 2σ( <i>I</i> ))	0.1248	0.1758
Final <i>R</i> <sub><i>I</i></sub> values (all data)	0.0772	0.0787
Final <i>wR</i> ( <i>F</i> <sup>2</sup> ) values (all data)	0.1443	0.2001





























































