

## Supporting Information For

### Synthesis of new substituted benzaldazine derivatives, hydrogen bonding induced supramolecular structures and luminescent properties

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**ST-1.** Photophysical properties of compounds **1–5** in both solution and the solid state.

compound	absorption (nm)/ $\epsilon/\text{dm}^3 \text{ mol}^{-1} \text{ cm}^{-1}$	excitation ( $\lambda$ , nm)	emission ( $\lambda_{\text{max}}$ , nm)	conditions	Polarity of the solvent
<b>1</b>	300(18030), 310(19389), 344(8184), 383(13680)	273	433	CH <sub>2</sub> Cl <sub>2</sub> , 298K	3.40
		428	560	C <sub>6</sub> H <sub>5</sub> Cl, 298K	2.70
		341, 415	478, 569	THF, 298K	4.20
		267, 445	523	EtOH, 298K	4.30
		457	541	DMF, 298K	6.40
<b>2</b>	298(24677), 310(21388), 320(22748)	393	579	solid, 298K	
		262	404	CH <sub>2</sub> Cl <sub>2</sub> , 298K	3.40
		393	442	C <sub>6</sub> H <sub>5</sub> Cl, 298K	2.70
		374	415, 429	THF, 298K	4.20
		372	422	EtOH, 298K	4.30
<b>3</b>	279(23336), 298(23757), 316(19096), 404(13234)	378,	413, 437	DMF, 298K	6.40
		389	469	solid, 298K	
		346	461	CH <sub>2</sub> Cl <sub>2</sub> , 298K	3.40
		351	480	C <sub>6</sub> H <sub>5</sub> Cl, 298K	2.70
		346	467	THF, 298K	4.20
		343	467	EtOH, 298K	4.30
		356	471	DMF, 298K	6.40
		376	496	solid, 298K	