Electronic Supplementary Material (ESI) for CrystEngComm

Supporting Information For

The supramolecular assemblies of 7-amino-2,4-dimethylquinolinium salts and the effect of a variety of anions on their luminescent properties

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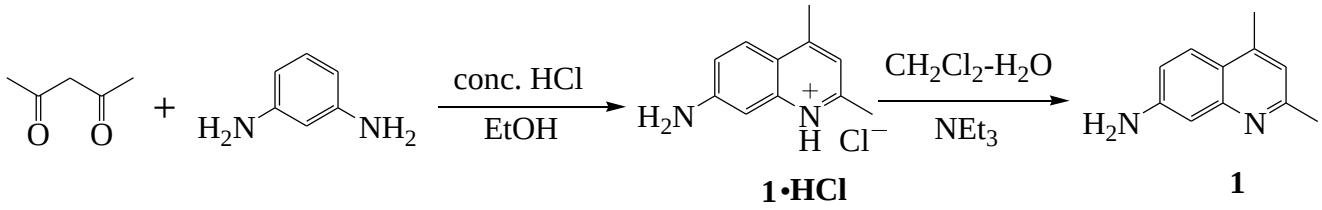
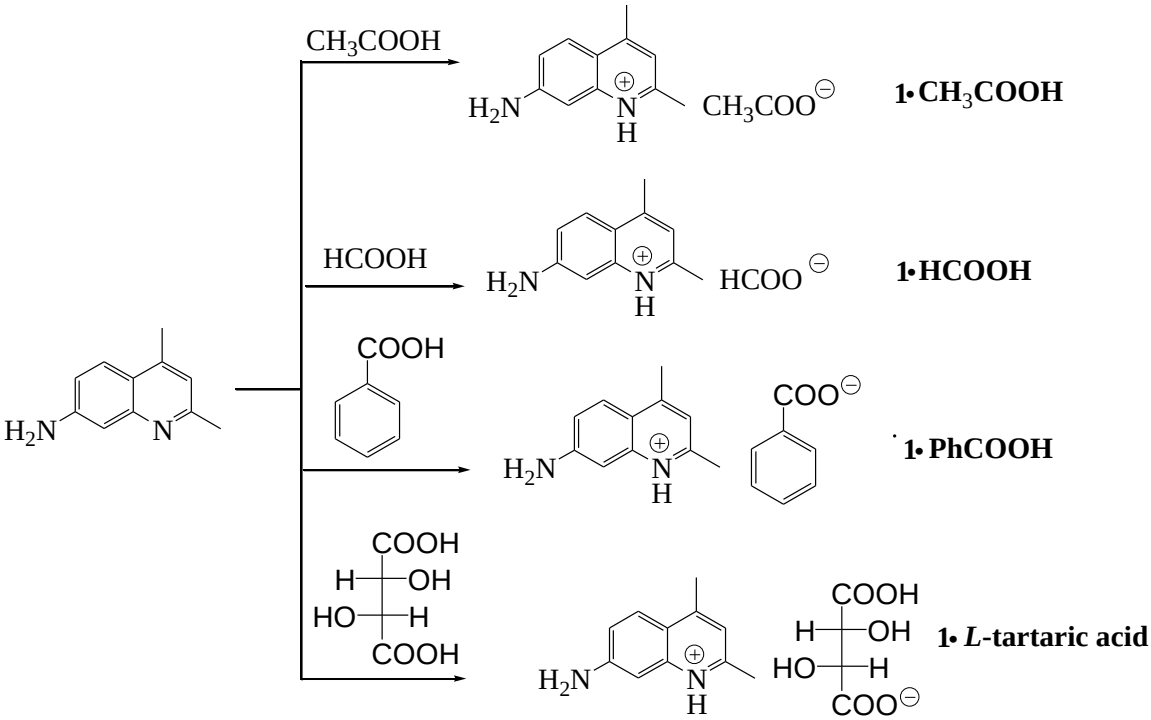
Scheme S1. Synthetic route for **1•HCl** and **1**.



1•HCl **1**

Scheme S2. Synthetic route for salts of 7-amino-2,4-dimethylquinoline **1** with different anions.



ST-1. Photophysical Data for **1**, **1·HCl, 1·HCOOH**, **1·CH_3COOH**, **1·PhCOOH**, and **1·*L*-tartaric acid** in solution and the solid state**.**

compound	absorption (nm)[a] ε/dm^3 mol^{-1} cm^{-1}	excitation (nm)	emission (nm)	conditions
1	213(32323), 244(35178), 277(5791), 354(5914)	366	429	ethanol, 298 K
	212(30560), 240(28612), 360(5133)	380	480	water, 298 K
		375	422	solid, 298 K
1·HCl	214(23461), 247(20696), 367(3338)	407	479	ethanol, 298 K
	212(28420), 255(26588), 378(8792)	395	482	water, 298 K
		374	534	solid, 298 K
1·HCOOH	214(24381), 245(21777), 355(3743)	398	477	ethanol, 298 K
		450	506	solid, 298 K
1·CH_3COOH	214(20812), 245(22933), 354(3356)	354	476	ethanol, 298 K
		450	484	solid, 298 K
1·PhCOOH	211(49625), 245(32011), 288(sh, 3981), 354(4574)	355	430(sh) 475	ethanol, 298 K
		419	464, 519	solid, 298 K
1·*L*-tartaric acid	212(50266), 249(24707), 288(sh, 4360), 401(4814)	402	476	ethanol, 298 K
		419	464, 524	solid, 298 K

[a] Concentration: [M] ≈ 1.0 x 10^{-5} mol/L.

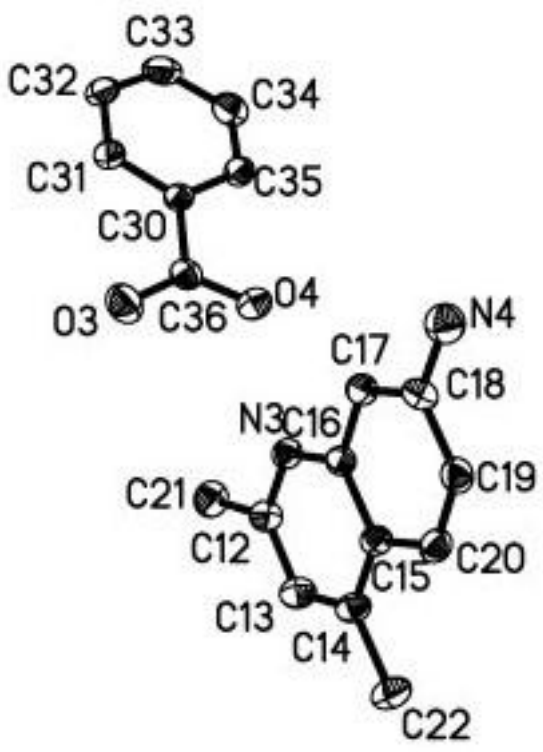


Figure S1 The molecular structure and atomic numbering scheme of one (molecular B) of the two crystallographically independent molecules in the crystal of **1·PhCOOH**