

## Crystalline adducts of some substituted salicylic acids with 4-aminopyridine, including hydrates and solvates: contact and separated ionic complexes with diverse supramolecular synthons.

Riccardo Montis\*<sup>a</sup> and Michael B. Hursthouse <sup>a,b</sup>

<sup>a</sup> School of Chemistry, University of Southampton, Southampton, SO17 1BJ, UK

<sup>b</sup> Department of Chemistry, Faculty of Science, King Abdulaziz University, Jeddah 21588, Saudi Arabia.

### Electronic Supporting Informations

#### Crystallizations.

**Table ESI 1.** Summary of the crystallization experiments in different solvents for the various 4-aminopyridinium-n-R salicylate. Conditions yielding single crystals are indicated as √ followed by the suffix anh, hyd or py according to phase obtained (anhydrous, hydrate or pyridine solvate). (●) indicates an unsuccessful experiment.

Derivative	Solvent						
	CH <sub>3</sub> OH	CH <sub>3</sub> OH/ H <sub>2</sub> O	CH <sub>3</sub> CH <sub>2</sub> OH/ H <sub>2</sub> O	CH <sub>3</sub> CN	CH <sub>3</sub> NO <sub>2</sub>	DMSO	Py
5-Cl	√ (anh)	●	√ (hyd)	-	●	-	●
4-Cl	●	-	●	●	-	-	-
5-I	√ (anh)	√ (hyd)	-	-	√ (hyd)	-	√ (py)
5-Br	√ (hyd)	-	-	-	●	-	●
6-F	●	●	-	●	-	-	√ (anh)
5-F	√ (anh)	-	-	√ (anh)	●	-	●
4-F	●	●	●	-	-	-	●
5-NH <sub>2</sub>	-	-	-	-	-	●	√ (py)
4-NH <sub>2</sub>	-	-	-	-	-	●	●
3-NH <sub>2</sub>	-	-	-	-	-	●	●
5-ACM	-	-	-	-	-	-	√ (anh)
4-ACM	-	-	-	-	-	-	●
6-MeO	●	-	-	●	●	-	●
5-MeO	√ (hyd)	-	●	-	●	●	-
4-MeO	●	-	-	●	-	●	●
3-MeO	●	-	-	-	-	●	●
5-Me	√ (anh)	-	●	√ (anh)	●	-	●
4-Me	●	-	-	-	-	-	●
3-Me	●	-	-	-	-	-	●
5-NO <sub>2</sub>	√ (anh)	-	●	-	●	●	●
3-NO <sub>2</sub>	●	-	-	-	-	-	√ (anh)

