



The correlation of the pKa equalization principle to Charge-assisted Hydrogen bonds in differentiation of the molecular salts from cocrystals

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protonated pyridine (Δ pKa > 3). [5]

Crystal Structures of Cocrystals Packing determined by number od H-bond acceptors, relative size of PHL and coformer molecules

One H-bond acceptor Coformer

PHL– 4-phenylpyridine 1:2 *M/M*

PHL – 2-hydroxy-pyridine coformer 1: 2 *M/M*

PHL – 2,3,5,6- tetramethylpyrazine 2:3 *M/M*

Two H-bond acceptor coformers

