Structure of the Cocrystal of 2,2'-Diamino-4,4'-bis(1,3-thiazole) and 4,4'-Bipyridine

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A new cocrystal based upon 2,2'-diamino-4,4'-bis(1,3-thiazole) and 4,4'-bipyridine has been synthesized and characterized. Self-assembly of this compound in the solid state is likely caused by both hydrogen boding and π-π stacking, and the network contains large vacant voids.

Key words: 4,4'-Bipyridine, 2,2'-Diamino-4,4'-bis(1,3-thiazole), Cocrystal, π-π Stacking, Hydrogen Bond