



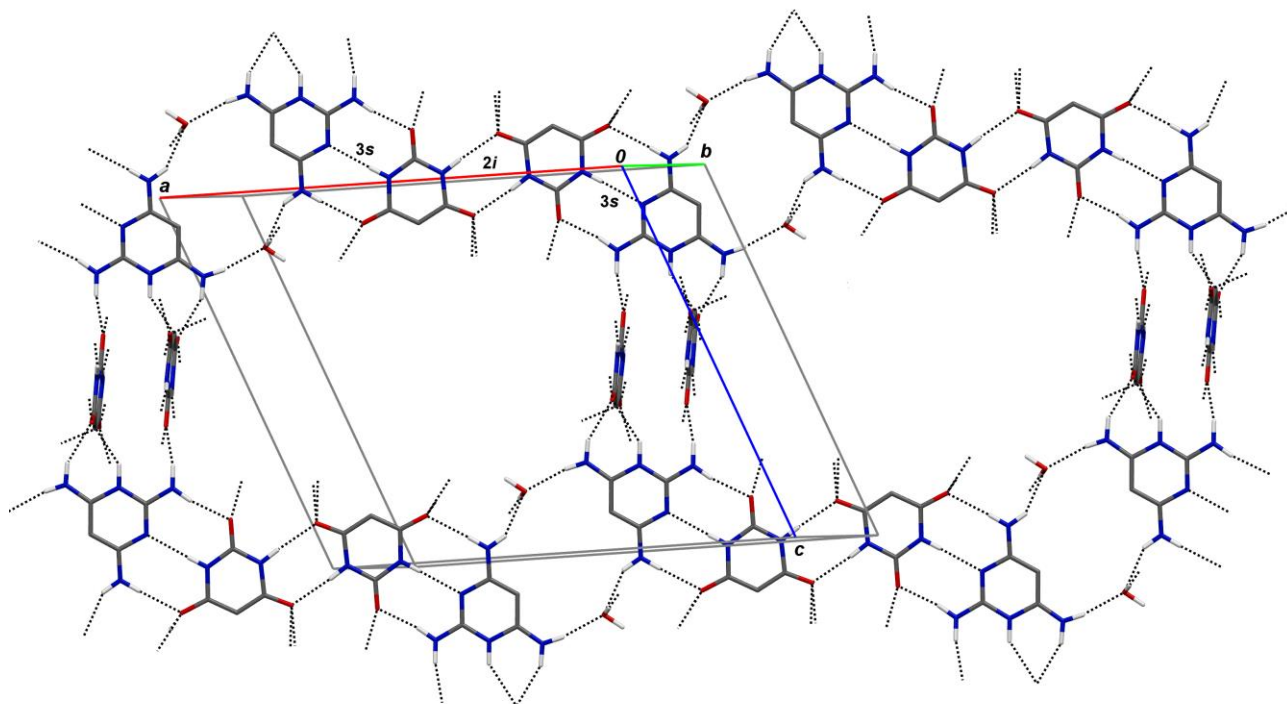
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Supporting information for article:

One barbiturate and two solvated thiobarbiturates containing the triply hydrogen-bonded *ADA/DAD* synthon plus one ansolvate and three solvates of their coformer 2,4-diaminopyrimidine

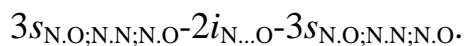
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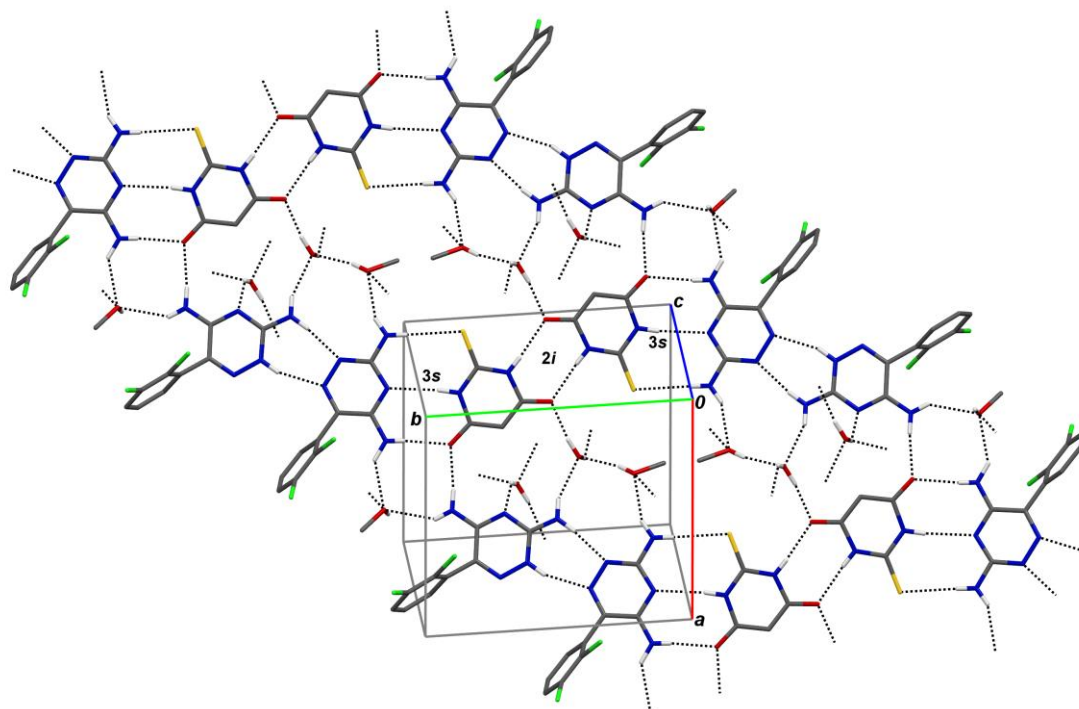


Supplementary Fig. S1

A partial packing diagram for

2,4,6-triaminopyrimidinium barbiturate (CSD refcode QAFSOF; Bohanon *et al.*, 1999) showing the tetramers consisting of two 2,4,6-triaminopyrimidinium cations and two barbiturate anions formed by the synthon combination





Supplementary Fig. S2

A partial packing diagram for lamotriginium 2-thiobarbiturate--lamotrigin--methanol-water (1/1/1/1) (OVUMOI; Sridhar & Ravikumar, 2011) showing the tetramers consisting of two neutral lamotrigin molecules and two 2-thiobarbiturate anions formed by the synthon combination $3s_{N,S;N,N;N,O}-2i_{N,O}-3s_{N,S;N,N;N,O}$. The lamotriginium cations are located at both sides of the tetramers.