

Lateral interactions in homomolecular crystals formed by organic compounds containing s-tetrazine moiety

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Abstract

Crystal structures formed by organic compounds containing s-tetrazine moiety are considered. Trends in molecular packing depending on molecular structure of s-tetrazine derivatives are defined. Main structural motifs and intermolecular interactions responded for the motif formations are extracted. Noncovalent atom-atom interactions occurred in the crystals under consideration (C...C, N...N, O...O, Cl...Cl, C...O, C...Cl, N...O, H...H, C...H, N...H, O...H, Cl...H, S...H) are described quantitatively.