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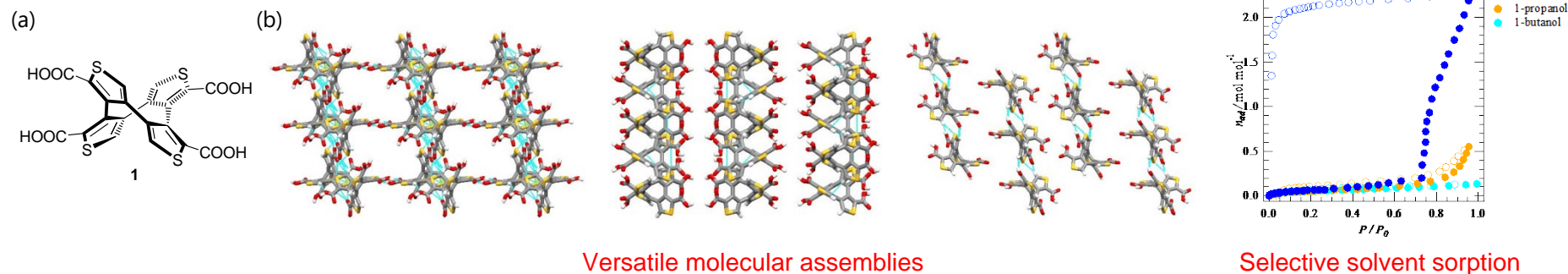
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立体的な $\pi$ 電子系の水素結合ネットワークが形成する多様な分子集合体

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## Versatile Hydrogen-Bonded Assemblies of Twisted Tetra[3,4]thienylene Tetracarboxylic Acid with Selective Solvent Sorption

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Figure (a) Molecular structure of **1**. (b) Versatile molecular assemblies of the solvate crystals of **1**.(c) Selective solvent sorption of **1**. Figure modified from the manuscript. Copyright 2019 American Chemical Society.

立体的で構造柔軟性を有するテトラ[3,4]チエニレンテトラカルボン酸(**1**)の多様な分子集合構造を明らかにした。この多様性は分子の立体的な構造、ホスト-ゲスト溶媒分子間の水素結合相互作用、最密充填則の観点から理解できる。**1**の結晶は選択的な溶媒吸脱着挙動を示した。

We demonstrated versatile hydrogen-bonded assemblies of a twisted  $\pi$  system with newly synthesized tetra[3,4]thienylene tetracarboxylic acid (**1**). A variety of dimensional solvate molecular crystals could be obtained, in contrast to typical aromatic carboxylic acid derivatives. The crystal **1** showed the selective sorption behavior.