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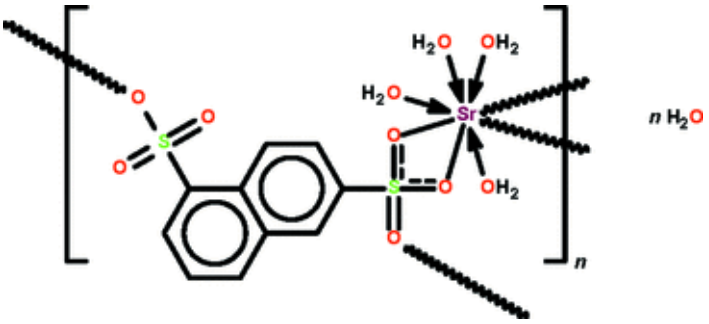
metal-organic compounds



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Poly[[tetraaqua(μ3-naphthalene-1,6-disulfonato-κ4O1:O6,O6':O6'')strontium(II)] monohydrate]

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Abstract: In the crystal structure of the polymeric title compound, $\{[Sr(C_{10}H_6O_6S_2)(H_2O)_4]\cdot H_2O\}_n$, the naphthalene-1,6-disulfonate dianion uses one $-SO_3$ unit to *O*,*O*'-chelate to an Sr^{II} cation and its third O atom to bind to another Sr^{II} cation. The other $-SO_3$ unit binds to yet another Sr^{II} atom. The four coordinated water molecules are monodentate but one is disordered over two positions in a 1:1 ratio. The μ_3-bonding mode of the dianion generates a polymeric three-dimensional network; the network is consolidated by O-H...O hydrogen bonds. The Sr^{II} cation exists in an undefined eight-coordinate environment.