

Kristallstruktur von 1,1'-Dimethyl-4,4'-bipyridinium-octachlorodiantimonat(III)

Crystal Structure of 1,1'-Dimethyl-4,4'-bipyridinium-octachlorodiantimonate(III)

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Prof. Dr. Wolfgang Brockner zum 60. Geburtstag gewidmet

Z. Naturforsch. **53 b**, 565–568 (1998); eingegangen am 22. Dezember 1997

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The title compound was prepared by reaction of SbCl_3 with 1,1'-dimethyl-4,4'-bipyridinium-chloride in methanol. The single crystal structure gave the following data: $[\text{C}_{12}\text{H}_{14}\text{N}_2][\text{Sb}_2\text{Cl}_8]$ (**1**) space group P1, Nr. 1, with $a = 570.68(7)$ pm, $b = 938.57(14)$ pm, $c = 1174.27(11)$ pm, $\alpha = 66.72(9)^\circ$, $\beta = 89.304(12)^\circ$, $\gamma = 78.684(11)^\circ$, and $Z = 1$. The compound has a small SHG effect and a phase transition at 272°C with an enthalpy of transition of 6.54 kJ mol^{-1} .

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