

Kristallstruktur des Doppelkomplexsalzes

***trans*-(py₂CH₂)[Pt(OH)₂(ox)₂]·*trans*-(py₂CH₂)[Pt(OH)(ox)₂(H₂O)]₂·4H₂O**

Crystal Structure of the Double Complex Salt

trans-(py₂CH₂)[Pt(OH)₂(ox)₂]·*trans*-(py₂CH₂)[Pt(OH)(ox)₂(H₂O)]₂·4H₂O

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trans-Dihydroxobis(oxalato)platinate(IV), *trans*-Hydroxobis(oxalato)aquaplatinate(IV), Crystal Structure, Hydrogen Bonding

By treatment of [Pt(ox)₂]²⁻ with hydrogen peroxide the octahedral *trans*-[Pt(OH)₂(ox)₂]²⁻ is formed. From the saturated aqueous solution in the presence of dipyridiniomethane dications single crystals of the double complex salt *trans*-(py₂CH₂)[Pt(OH)₂(ox)₂]·*trans*-(py₂CH₂)[Pt(OH)(ox)₂(H₂O)]₂·4H₂O were grown and an X-ray structure determination (triclinic, space group P $\bar{1}$, $a = 8.649(1)$, $b = 11.189(3)$, $c = 12.731(2)$ Å, $\alpha = 79.075(12)$, $\beta = 80.725(8)$, $\gamma = 73.932(13)^\circ$, $Z = 1$) has been performed. The centrosymmetric *trans*-[Pt(OH)₂(ox)₂]²⁻ is connected via hydrogen bonds between its hydroxide groups and the aqua ligands of two protonated complex anions *trans*-[Pt(OH)(ox)₂(H₂O)]⁻.

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