

Bis(acetonitrile-N)(o-benzoquinone  
diimine-N,N?)-trans-bis(triphenyl-phosphine-P)ruthenium(II)  
bis(hexa-fluorophosphate) methanol solvate

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© 2000 International Union of Crystallography. The title complex,

$[\text{Ru}(\text{C}_2\text{H}_3\text{N})_2(\text{C}_6\text{H}_6\text{N}_2)(\text{C}_{18}\text{H}_{15}\text{P})_2](\text{PF}_6)_2 \cdot \text{CH}_4\text{O}$ , is the third of a series of ruthenium complexes containing two triphenylphosphine groups in a trans arrangement, o-benzoquinone diimine and two other non-redox active ligands to be characterized. The effect of electron donor-acceptor properties of the two non-redox active ligands does not change the quinone arrangement for the o-benzoquinone diimine ligand, as can be seen from the bond distances of the quinone ring. The asymmetric unit contains half a molecule of complex cation (on a twofold rotation axis), one hexafluorophosphate anion and half a molecule of methanol in a general position close to a twofold rotation axis.