

Naming Coordination Complexes

- * 1. $[\text{Co}(\text{NH}_3)_6]\text{Cl}_3$ hexamminecobalt(III) chloride
2. $[\text{Co}(\text{NH}_3)_5\text{Cl}]^{2+}$ pentamminechlorocobalt(III) ion
- * 3. $[\text{Co}(\text{NH}_3)_4\text{SO}_4]\text{NO}_3$ tetramminesulfatocobalt(III) nitrate
- * 4. $\text{Co}(\text{NH}_3)_3(\text{NO}_2)_3$ triammine trinitrocobalt(III)
- * 5. $[\text{Cr}(\text{en})_3]\text{Cl}_3$ tris(ethylenediamine)chromium(III) chloride
- * 6. $\text{K}_4\text{Fe}(\text{CN})_6$ potassium hexacyanoferrate(II)
- * 7. $[\text{Pt}(\text{Py})_4][\text{PtCl}_4]$ tetrapyridineplatinum(II) tetrachloroplatinate(II)
- * 8. H_2PtCl_6 hexachloroplatinic(IV) acid
- * 9. $[(\text{NH}_3)_4\text{Co} \begin{array}{c} \text{NH}_2 \\ \diagdown \\ \text{NO}_2 \end{array} \text{Co}(\text{NH}_3)_4]^{4+}$ tetramminecobalt(III)- μ -amido- μ -nitrotetramminecobalt(III) ion
10. $[\text{Cr}(\text{H}_2\text{O})_4\text{Cl}_2]\text{Cl}$ tetraquadichlorochromium(III) chloride
- * 11. $\text{K}_2[\text{OsCl}_5\text{N}]$ potassium pentachloronitridoosmate(VI)
12. $[(\text{C}_6\text{H}_5)_4\text{As}][\text{PtCl}_2(\text{H})\text{CH}_3]$ tetraphenylarsenium dichlorohydridomethylplatinatate(II)
13. $\text{Mo}(\text{C}_6\text{H}_5)_2\text{PCH}_2\text{CH}_2\text{P}(\text{C}_6\text{H}_5)_2(\text{N}_2)_2$
bis(1,2-diphenylphosphinoethane)bis(dinitrogen)molybdenum(0)
- * 14. $\text{Na}_3[\text{Ag}(\text{S}_2\text{O}_3)_2]$ sodium dithiosulfatoargentate(I)