

Nomenclature of Coordination Compounds

1. $[\overset{\text{O}}{\text{Pt}}(\text{trien})(\text{NO}_2)_2]\text{SO}_4$
2. $(\text{NH}_4)_2[\text{PtCl}_4]$
3. $[\text{Co}(\text{H}_2\text{O})_4\text{Cl}_2]^+$
4. $[\text{K}_2[\text{Ni}(\text{CN})_4]]$
5. $\text{K}[\text{Cr}(\text{C}_2\text{O}_4)_2(\text{H}_2\text{O})_2]$
6. $(\text{NH}_4)_2[\text{CuCl}_4]$
7. $\text{K}_3[\text{Fe}(\text{C}_2\text{O}_4)_3]$
8. $[\text{Co}(\text{NH}_3)_5\text{NO}_3]\text{SO}_4$
9. $[\text{Ni}(\text{C}_2\text{O}_4)_2(\text{H}_2\text{O})_2]^{2-}$
10. $\text{NH}_4[\text{FeCl}_4]$
11. $[\text{Pt}(\text{en})\text{Cl}_2(\text{SCN})_2]$
12. $\text{Fe}(\text{CO})_5$
13. $[\text{CrOH}(\text{H}_2\text{O})_3(\text{NH}_3)_2]\text{NO}_3$
14. $\text{K}_2[\text{NiF}_6]$
15. $[\text{Pt}(\text{NH}_3)_4][\text{PtCl}_6]$
16. $[\text{Co}(\text{bipy})_2(\text{NH}_3)_2]^{3+}$
17. $[\text{Co}(\text{NH}_3)_4\text{CO}_3(\text{ONO})]$
18. $[\text{Fe}(\text{H}_2\text{O})_5\text{OH}]^{2+}$
19. $[\text{Mn}(\text{en})_2\text{Cl}_2]$
20. $[\text{Fe}(\text{NH}_3)_4(\text{H}_2\text{O})_2]$
21. $[\text{Pt}(\text{NH}_3)_2(\text{C}_2\text{O}_4)]$
22. $\text{K}_3[\text{Co}(\text{CN})_6]$
23. $[\text{Ni}(\text{en})_2\text{Cl}_2]$
24. $[\text{Pt}(\text{NH}_3)(\text{H}_2\text{O})\text{Cl}(\text{NO}_2)]$
25. aquotrichloro(ethylenediamine)cobalt(III)
26. pentaamminesulfatocobalt(III) chloride
27. bis(acetylacetonato)copper(II)
28. potassium dicyanocuprate(I)
29. pentaamminesulfatochromium(III) chloride
30. (ethylenediaminetetraacetato)cuprate(II)
31. potassium hexa-N-nitritocobaltate(III)
32. tetraamminedichlorocobalt(III) chloride
33. tris(o-phenanthroline)iron(III) chloride
34. amminechlorobis(ethylenediamine)cobalt(III) ion
35. bis(diethylenetriamine)platinum(IV) sulfate
36. tetraamminebis(pyridine)cobalt(III) ion
37. ammonium tetra-N-thiocyanatoferrate(III)
38. hexammineiron(III) nitrate
39. potassium tetrachloroplatinate(II)
40. potassium tetrabromomanganate(II)
41. sodium tetrachlorocobaltate(II)
42. tetraammineplatinum(II) tetrachloroplatinate(II)
43. amminetribromoplatinate(II) ion
44. dibromobis(ethylenediamine)cobalt(III) ion
45. diamminebromo-N-thiocyanatoplatinum(II)
46. trisacetylacetonatoiron(III)
47. dichlorotetraaquo chromium(III) chloride

Nomenclature of Coordination Compounds

CHEM 2P32

1. di-N-nitrito(triethylenetetraammine)platinum(IV) sulfate
2. ammonium tetrachloroplatinate(II)
3. tetraaquadichlorocobalt(III) ion
4. potassium tetracyanonickelate(II)
5. potassium diaquobis(oxalato)chromate(III)
6. ammonium tetrachlorocuprate(II)
7. potassium tris(oxalato)ferrate(III)
8. pentaamminenitratocobalt(III) sulfate
9. diaquobis(oxalato)nickelate(II) ion
10. ammonium tetrachloroferrate(III)
11. dichloro(ethylenediamine)di-S-thiocyanatoplatinum(IV)
12. pentacarbonyliron(0)
13. diamminetriaquohydroxochromium(II) nitrate
14. potassium hexafluoronickelate(IV)
15. tetraammineplatinum(II) hexachloroplatinate(IV)
16. diamminebis(bipyridine)cobalt(III) ion
17. tetraamminecarbonato-O-nitritocobalt(III)
18. hydroxopentaaquoiron(III) ion
19. dichlorobis(ethylenediamine)manganese(II)
20. diaquatetraammineiron(II)
21. diammine(oxalato)platinum(II)
22. potassium hexacyanocobaltate(III)
23. dichlorobis(ethylenediamine)nickel(II)
24. ammineaquochloro-N-nitritoplatinum(II)
25. $[\text{Co}(\text{en})(\text{H}_2\text{O})\text{Cl}_3]$
26. $[\text{Co}(\text{NH}_3)_5\text{SO}_4]\text{Cl}$
27. $[\text{Cu}(\text{acac})_2]$
28. $\text{K}[\text{Cu}(\text{CN})_2]$
29. $[\text{Cr}(\text{NH}_3)_5\text{SO}_4]\text{Cl}$
30. $[\text{Cu}(\text{edta})]^{2-}$
31. $\text{K}_3[\text{Co}(\text{NO}_2)_6]$
32. $[\text{Co}(\text{NH}_3)_4\text{Cl}_2]\text{Cl}$
33. $[\text{Fe}(\text{o-phen})_3]\text{Cl}_3$
34. $[\text{Co}(\text{en})_2(\text{NH}_3)\text{Cl}]^{2+}$
35. $[\text{Pt}(\text{dien})_2](\text{SO}_4)_2$
36. $[\text{Co}(\text{py})_2(\text{NH}_3)_4]^{3+}$
37. $\text{NH}_4[\text{Fe}(\text{NCS})_4]$
38. $[\text{Fe}(\text{NH}_3)_6](\text{NO}_3)_3$
39. $\text{K}_2[\text{PtCl}_4]$
40. $\text{K}_2[\text{MnBr}_4]$
41. $\text{Na}_2[\text{CoCl}_4]$
42. $[\text{Pt}(\text{NH}_3)_4][\text{PtCl}_4]$
43. $[\text{Pt}(\text{NH}_3)\text{Br}_3]^-$
44. $[\text{Co}(\text{en})_2\text{Br}_2]^+$
45. $[\text{Pt}(\text{NH}_3)_2(\text{NCS})\text{Br}]$
46. $[\text{Fe}(\text{acac})_3]$
47. $[\text{Cr}(\text{H}_2\text{O})_4\text{Cl}_2]\text{Cl}$