Common name	*IUPAC name*
fluoro, F^-	fluoro
chloro, Cl^-	chloro
bromo, Br^-	bromo
iodo, I^-	iodo
cyano, CN^-	cyano
thiocyano, SCN^-	thiocyanato-*S* (*S*-bonded)
isothiocyano, NCS^-	thiocyanato-N (N-bonded)
hydroxo, OH^-	hydroxo
aqua, H_2O	aqua
carbonyl, CO	carbonyl
thiocarbonyl, CS	thiocarbonyl
nitrosyl, NO^+	nitrosyl
nitro, NO_2^-	nitrito-N (N-bonded)
nitrito, ONO^-	nitrito-O (O-bonded)
phosphine, PR_3	phosphane
pyridine, C_5H_5N	pyridine
ammine, NH_3	ammine
methylamine, CH_3NH_2	methylamine
ethylenediamine, $NH_2CH_2CH_2NH_2$	1,2-ethanediamine
diethylenetriamine, $NH_2C_2H_4NHC_2H_4NH_2$	2,2'-diaminodiethylamine or 1,4,7-triazaheptane

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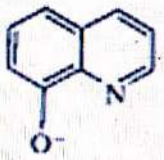
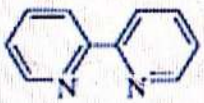
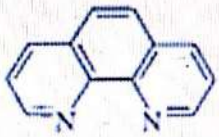
Some common polydentate ligands

Name	*Formula*	*Abbreviation*	*Classification*[a]
Carbonato	CO_3^{2-}		Didentate
Oxalato	$C_2O_4^{2-}$	ox	Didentate
Ethylenediamine	$NH_2C_2H_4NH_2$	en	Didentate
1,2-Propanediamine	$NH_2CH(CH_3)CH_2NH_2$	pn	Didentate
Acetylacetonato	$CH_3-C(O^-)=CH-C(=O)-CH_3$	acac	Didentate
8-Hydroxyquinolinato		oxine	Didentate
2,2′-Bipyridine		bipy	Didentate
1,10-Phenanthroline		phen	Didentate
Glycinato	$NH_2CH_2CO_2^-$	gly	Didentate
Diethylenetriamine	$NH(C_2H_4NH_2)_2$	dien	Tridentate
Triethylenetetraamine	$H_2NC_2H_4NHC_2H_4NHC_2H_4NH_2$	trien	Tetradentate
Nitrilotriacetato	$N(CH_2CO_2)_3^{3-}$	nta	Tetradentate
Tetraethylenepentaamine	$NH(C_2H_4NHC_2H_4NH_2)_2$	tetraen	Pentadentate
Ethylenediamine-tetraacetato	$[(O_2CCH_2)_2NC_2H_4N(CH_2CO_2)_2]^{4-}$	edta[4]	Hexadentate

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Ligand	Name in Complexes	Ligand	Name in Complexes
Azide, N_3^-	Azido	Oxalate, $C_2O_4^{2-}$	Oxalato
Bromide, Br^-	Bromo	Oxide, O^{2-}	Oxo
Chloride, Cl^-	Chloro	Ammonia, NH_3	Ammine
Cyanide, CN^-	Cyano	Carbon monoxide, CO	Carbonyl
Fluoride, F^-	Fluoro	Ethylenediamine, en	Ethylenediamine
Hydroxide, OH^-	Hydroxo	Pyridine, C_5H_5N	Pyridine
Carbonate, CO_3^{2-}	Carbonato	Water, H_2O	Aqua

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$Li[AlH_4]$

Na3[Co(NO2)6]

$[Ag(NH_3)_2]NO$

$K[Au(CN)_4]^-$

$[Ni(CN)_4]^{2-}$

$[Pt(NH_3)_2Cl_2]$

$[Co(NH_3)_5Cl]Cl_2$

$K_4[Fe(CN)_6]$

$K_3[Fe(CN)_6]$

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(1) $[Cu(NH_3)_4]Cl_2$

(2) $[Ag(NH_3)_2]NO_3$

(3) $[CrCl_2(H_2O)_4]Cl$

(4) $[Cu(H_2O)_2(NH_3)_2]Cl_2$

(5) $Hg[Co(SCN)_4]$

(6) $Na_2[Zn(CN)_4]$

(7) $[Fe(CO)_5]$

(8) $[Pt(NH_3)_2Cl_2]$

(9) $[Co(en)_3]Cl_3$

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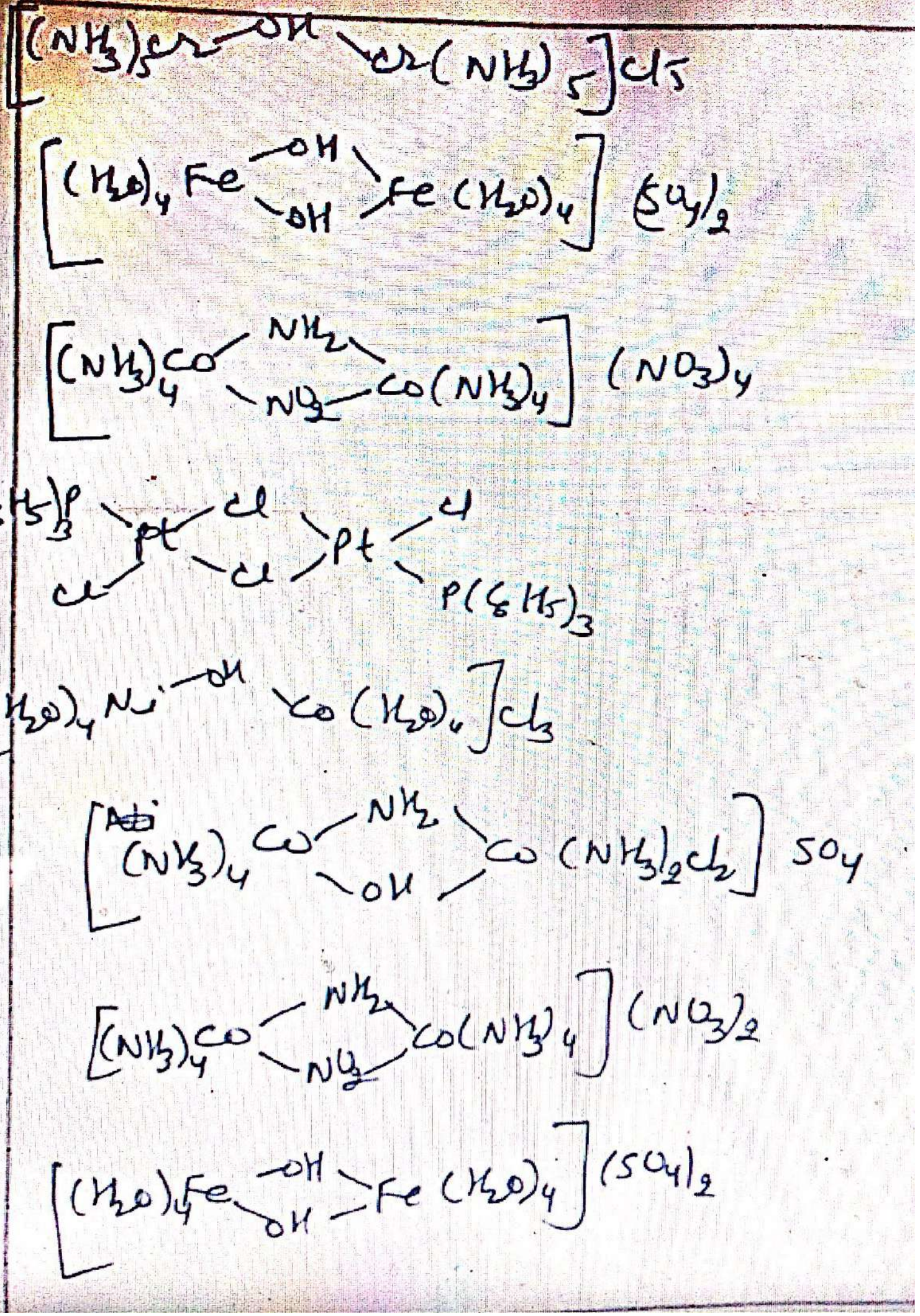

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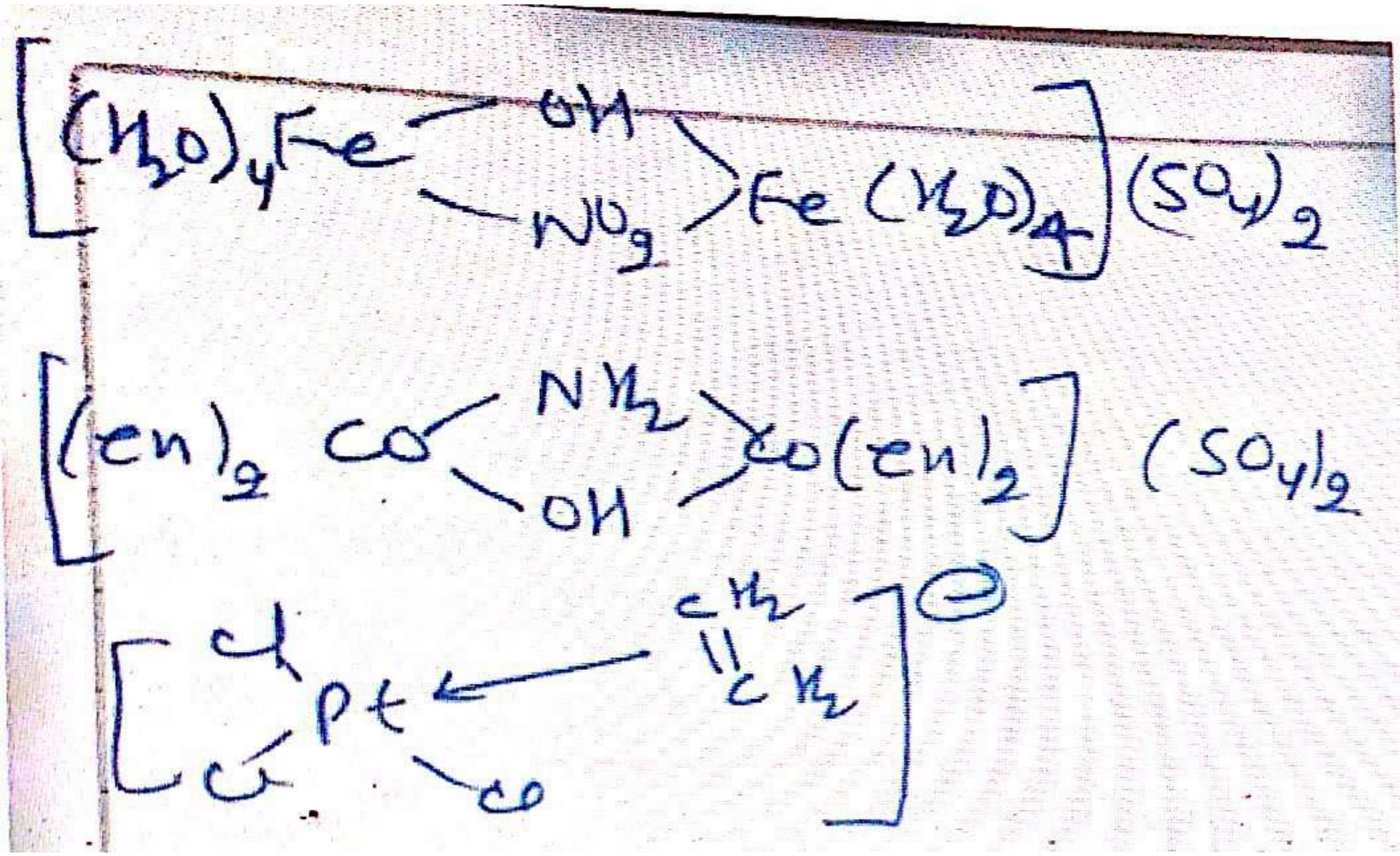

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