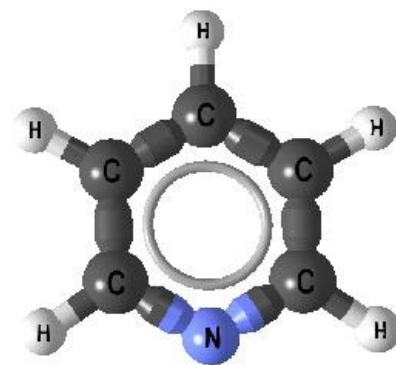


Ligands

A ligand is an atom, ion, or molecule that donates one or more electron pairs to a central atom. A ligand is a part of complex (coordination) compounds. Every complex compound contains a central atom (cation) and an anion or neutral complex (ligand).

Dividing ligands

- according to the number of coordination covalent bonds:
 - single bond
 - double bonds
 - multiple bonds
- according to the type of donor atom:
 - oxygen ligands: water, OH^-
 - carbon ligands: carbonyl
 - sulfur ligands: hydrogen sulfide
 - phosphate ligands: phosphane



Scheme of the organic pyridine ligand

Links

- ws:Ligand

Related Articles

- Complex compounds
- Coordination covalent bond



This article is a stub.

You can join the authors (<https://www.wikilectures.eu/index.php?title=Ligands&action=history>) and it. You can discuss the changes at discussion.