

The diagram illustrates a complex lanthanide complex. At the center is a lanthanide atom (Ln) coordinated by a nitrogen atom (N). This central Ln atom is also coordinated by two oxygen atoms (O) and two sulfur atoms (S). The sulfur atoms are part of a larger complex that includes a terminal lanthanide atom (Ln) coordinated by a carbon atom (C). The terminal Ln atom is also coordinated by a carbon atom (C) and an iodine atom (I). The structure is highly symmetrical and features multiple coordination sites for the lanthanide atoms.