

The diagram illustrates a complex lanthanide-based molecular assembly. It features multiple lanthanide (Ln) centers connected by various ligands, including organic groups (C, C≡N), sulfur (S), oxygen (O), and nitrogen (N). The assembly is highly symmetrical and includes several fused and bridged rings. Key structural elements include:

- Ln Centers:** Numerous lanthanide (Ln) ions are distributed throughout the structure, often forming clusters or rings.
- Organic Ligands:** Various organic groups are attached to the Ln centers, including C, C≡N, and C≡C.
- Sulfur and Oxygen Bridges:** Sulfur (S) and oxygen (O) atoms act as bridges between different Ln centers, forming complex coordination environments.
- Nitrogen Bridges:** Nitrogen (N) atoms are also involved in bridging Ln centers, contributing to the overall connectivity of the assembly.
- Symmetry:** The structure exhibits a high degree of symmetry, with many components repeated across the molecule.