MS13 Structural Characterization of Functional Materials

MS13-2-9 Germylene-β-sulfoxide hemilabile ligand in coordination chemistry

S. Mallet-Ladeira¹, D. Madec²
¹ICT- CNRS - Toulouse (France), ²LHFA- UPS/CNRS - Toulouse (France)

Abstract
The use of transition-metal germynes complexes in catalysis remains sporadic, with only a few recent reports. In this context, we described the synthesis of a germylene-β-sulfoxide ligand and its abilities in coordination chemistry. We characterized transition metal complexes by X-ray diffraction and an unprecedented bridged bis-ruthenium complex.

References

An unprecedented bridged bis-ruthenium complex

Ni(0)- complex