



Preparation and properties of a series of $[\text{Cr}_2\text{Ln}_2]$ oximato-bridged complexes.

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A series of new $[\text{Cr}_2\text{Ln}_2]$ ($\text{Ln} = \text{La}, \text{Ce}, \text{Pr}, \text{Nd}, \text{Sm}, \text{Eu}$) complexes **1–6** is reported with phenyl 2-pyridyl ketoxime (*ppkoH*) acting as a ligand and with a new oximato-bridged butterfly-like complex core. Compounds **1–6** were characterized mainly by X-ray diffraction studies, EDX, elemental analyses, IR spectroscopy and studies of magnetic properties, the latter showing negligible coupling of the Cr^{3+} ions in **1**.

Słowa kluczowe

Heterometallic complexes, Magnetic properties, chromium, lanthanides

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