

## Synthesis, X-ray structure and spectroscopic studies of $\text{Mo}(\text{O})_2(3,5\text{-di-tert-Busap})$ (EtOH).

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### Streszczenie

A new six-co-ordinate cis-dioxomolybdenum(VI) complex  $[\text{Mo}(\text{O})_2(3,5\text{-di-tert-Busap})(\text{EtOH})]$ , (where 3,5-di-tert-Busap<sup>2-</sup> = the Schiff base dianion 3,5-di-tert-butyl-N-salicylidene-2-aminophenolate), has been prepared. The complex is characterised by IR, <sup>1</sup>H and <sup>13</sup>C NMR and UV/vis spectroscopy and is stable to air, but above 413 K or in non-co-ordinating solvents loses an ethanol molecule, forming a dimeric compound with an unsymmetrical dioxygen bridge as indicated by IR spectroscopy.

### Adres publiczny

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