

Functionalization of the bis-(o-mercaptobenzoato)-cis-dioxomolibdato(VI) anion, $[\text{MoO}_2(\text{o-SC}_6\text{H}_4\text{COO})_2]^{2-}$, with p-substituted arylhydrazines, $\text{R-p-C}_6\text{H}_4\text{NHNH}_2$, $\text{R}=\text{H}$, Me, MeO, Cl, No2 Funcionalizacion del anion bis-(o-mercaptobenzoato)-cis- dioxomolibdato(VI), [Mo

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In acetonitrile, the cis- $[\text{MoO}_2]^{2+}$ group present in the anionic complex $[\text{MoO}_2(\text{o-SC}_6\text{H}_4\text{COO})_2]^{2-}$, can be functionalized under mild conditions by reaction with arylhydrazines, p-R- $\text{C}_6\text{H}_4\text{NHNH}_2$. The resulting ionic complexes have been formulated as $[\text{Et}_3\text{NH}]_2[\text{Mo}(\text{NNC}_6\text{H}_4\text{-p-R})_2(\text{o-SC}_6\text{H}_4\text{COO})_2]$, $\text{R}=\text{H}$, $[\text{Et}_3\text{NH}]_2[\text{I}]$; Me, $[\text{Et}_3\text{NH}]_2[\text{II}]$; MeO, $[\text{Et}_3\text{NH}]_2[\text{III}]$; Cl, $[\text{Et}_3\text{NH}]_2[\text{IV}]$; NO₂, $[\text{Et}_3\text{NH}]_2[\text{V}]$, characterized by spectroscopic methods and, additionally, in the case of complex $[\text{Et}_3\text{NH}]_2[\text{IV}]$, by single crystal X-ray diffraction. The aryldiazenido ligands, occupying mutually cis positions, adopt the "singly bent" geometry.