

Synthetic possibilities sulfenyl chlorides group in β -diketonate chelates

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Abstract

Sulfenylchlorides derivatives of β -diketonate complexes were obtained and the reactions of sulfenylchlorides group were studied. The reactions of addition and substitution of β -diketonates sulphenylchlorides showed that similar interactions as for SCl-groups in organic compounds are occurring. That enables the synthesis of a wide range of γ -thiosubstituted diketones. Chromium(III) acetylacetonate sulphenylchlorides were used for dendrimers obtaining. With using of boron difluoride sulfenylchloride complex new pyrazoles and diketones were synthesized.