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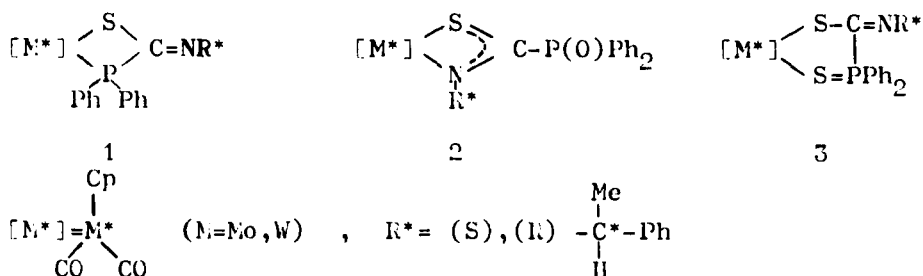
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# Diastereoselective Coordination of Chiral Phosphine Substituted Thioamide Ligands

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Homochiral thioamides are forming diastereomeric molybdenum and tungsten complexes in different ways (type 1-3) and different stereoselectivities (1 and 2: >99%de, 3: 0%de). The dissolved complexes 1 epimerized slowly at room-temperature.



The complex 6 results from the coordination of the thioacetamide 4. Because this reaction is accompanied by tautomerisation of 4, the original carbon- chirality (C\*) gets lost.

