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Phenanthroline complexes of chromium group metals for the inner-sphere hydrophosphorylation of oxo- and thioxodienes

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Abstract

© 2016 Taylor & Francis Group, LLC. The phenanthroline ligand can stabilize organometallic complexes having oxo- or thioxodienes in the chromium group complexes for the regioselective inner-sphere hydrophosphorylation leading to the corresponding hydroxyl- or mercaptophosphonates.

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Keywords

chromium group complexes, hydroxyphosphonates, Inner-sphere hydrophosphorylation, mercaptophosphonates