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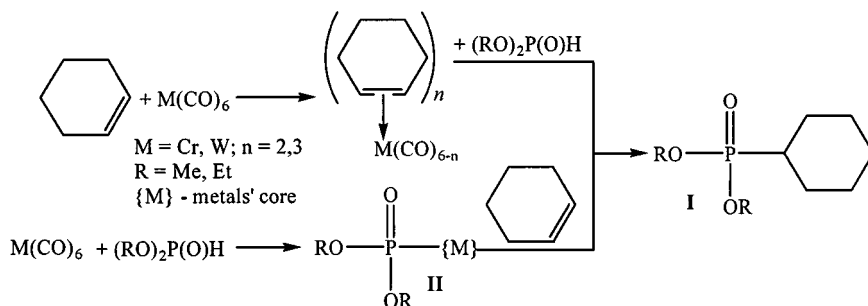
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THE PHOSPHORYLATION OF ALKENES PROMOTED WITH THE VIB GROUP METALS' CARBONYL COMPLEXES

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The phosphonates can be prepared in the direct interaction of the dialkylphosphites with alkenes, promoted with the VIB group metals' carbonyl complexes' derivatives. The catalytic effect is observed either when the alkene reacts with the organometallics forming π -complex or when dialkylphosphite reacts forming the active intermediate (II).



SCHEME 1

The catalytic yield of (I) is 40–80% according on the dialkylphosphite or 500–1000% on the hexacarbonylmetal(0) taken as catalyst.

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