

Title (en)

HYDROSILYLATION METHOD CATALYSED BY AN IRON COMPLEX

Title (de)

DURCH EINEN EISENKOMPLEX KATALYSIERTES HYDROSILYLIERUNGSVERFAHREN

Title (fr)

PROCEDE D'HYDROSILYLATION CATALYSE PAR UN COMPLEXE DE FER

Publication

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Application

EP 22789622 A 20220830

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Abstract (en)

[origin: WO2023031524A1] The present invention relates to a method for hydrosilylation of an unsaturated compound comprising at least one alkene function or one alkyne function with a compound comprising at least one hydrosilane function, said method being catalysed by an iron complex represented by the formula $\text{Fe}[\text{Si}(\text{SiR}_3)_3]_2 \text{Ln}$, wherein each R is a hydrogen atom or a hydrocarbon group having 1 to 30 carbon atoms, optionally substituted by one or more halogen atoms, each L is an ether ligand, and n = 1, 2 or 3. The present invention also relates to a method for preparing said iron complex, as well as to the use thereof as a catalyst for the hydrosilylation of an alkene or alkyne.

IPC 8 full level

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