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## The formation of secondary arylphosphines in the reaction of organonickel sigma-complex [NiBr(Mes)(bpy)], where Mes = 2,4,6-trimethylphenyl, bpy = 2,2'-bipyridine, with phenylphosphine

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### Abstract

© 2016 Taylor & Francis Group, LLC. The reactivity of organonickel sigma-complex [NiBr(Mes)(bpy)], where Mes = 2,4,6-trimethylphenyl, bpy = 2,2'-bipyridine towards phenylphosphine (PhPH<sub>2</sub>) has been investigated. It was found that this interaction leads to secondary mesitylphenylphosphine and dimesitylphosphine by formation of new carbon-phosphorus bond involving mesityl fragment of starting organonickel sigma-complex.

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### Keywords

2,2'-bipyridine, organonickel sigma-complexes, phenylphosphine; arylphenylphosphine, Phosphine