

## Palladium complexes with aminophosphine and aminophosphite based PNP and PCP pincer-type ligands as catalysts of Heck reaction.

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### Streszczenie

Pd(II) complexes with aminophosphine-based PNP and PCP pincer type ligands were used as catalysts of Heck coupling of bromobenzenes and styrene at 110 graduate C. The best results were obtained with catalyst I, [Pd(PNP-Ph)Cl]Cl, where PNP = N,N'-bis(diphenyl - phosphino)-2,6-diaminopyridine. Heck reaction performed in the presence of I and [Bu<sub>4</sub>N]Br as co-catalyst produced in 5 h up to 100% of coupling products with E/Z ratio equal from 8.6 to 33.5. Palladium catalyst I was recycled and used at least 3 times with out remarkable decrease of catalytic activity.