

# Synthetic Access to a Novel Binaphthyl Ligand Bearing a Phosphine and a Triazole Donor Site

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The combination of a diphenylphosphinyl and a triazol-3-yl unit was realized for the first time at a 1,1'-binaphthyl backbone. This novel type of *P,N*-ligand is accessible as an enantiomerically pure compound in just a few steps. First experiments on the coordination chemistry with palladium(II) chloride have been carried out. A series of intermediates and a binuclear palladium(II) complex could be characterized by X-ray crystal structure analysis.

*Key words:* Binaphthyl, Chiral Ligands, Palladium, Phosphine, Triazole