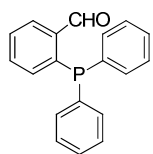
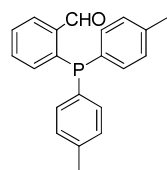




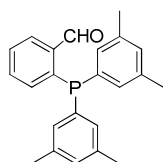
Phosphinobenzaldehydes



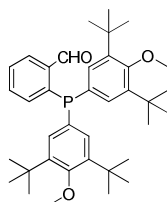
K15-0057
2-(Diphenylphosphino)benzaldehyde,
 $\geq 97.0\%$
 $C_{19}H_{15}OP$; F.W: 290.30; [50777-69-0]



K15-0058
2-(Di-p-tolylphosphino)benzaldehyde,
 $\geq 97.0\%$
 $C_{21}H_{19}OP$; F.W: 318.12



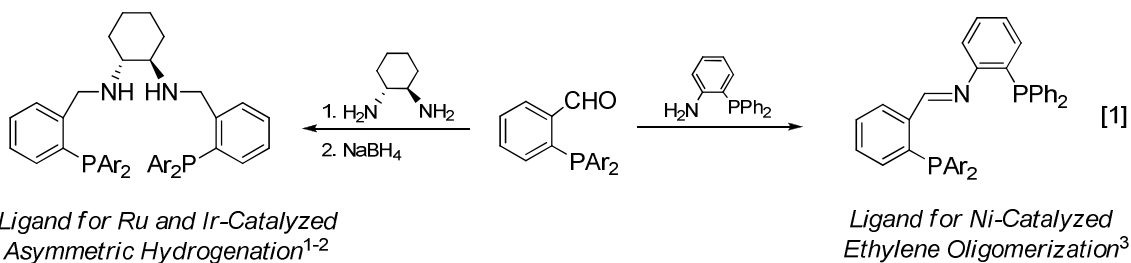
K15-0059
2-(Bis(3,5-dimethylphenyl)phosphino)-
benzaldehyde, $\geq 97.0\%$
 $C_{23}H_{23}OP$; F.W: 346.40; [669091-00-3]



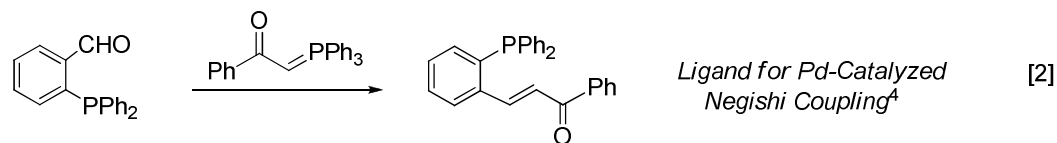
K15-0084
2-(Bis(3,5-di-tert-butyl-4-methoxyphenyl)-
phosphino)benzaldehyde, $\geq 97.0\%$
 $C_{37}H_{51}O_3P$; F.W: 574.77

Phosphinobenzaldehydes have found widespread applications in the design of achiral and chiral ligands for organic transformations, including asymmetric processes. Some representative examples are depicted in reactions 1-4.

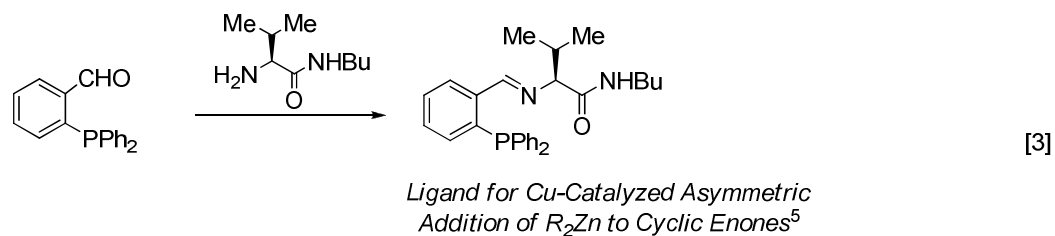
Synthesis of Tridentate PNP and Tetradentate PNNP Ligands:

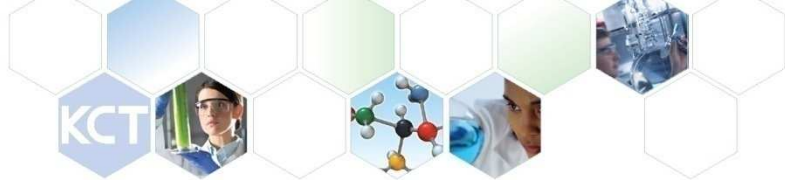


Preparation of π -Acceptor Ligand:

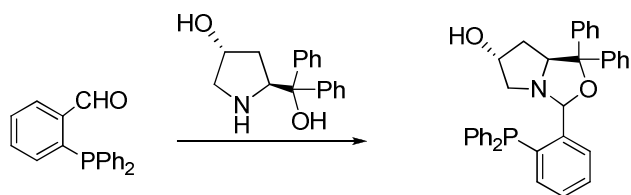


Synthesis of Schiff Base Ligand:





Preparation of Phosphinooxazolidine Ligand:



[4]

*Ligand for Pd-Catalyzed
Asymmetric Diels-Alder Reactions⁶*

References

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3. Hou, J. *et al.* *Organometallics* **2006**, *25*, 236.
4. Luo, X. *et al.* *Org. Lett.* **2007**, *9*, 4571.
5. Degrado, S. J. *et al.* *J. Am. Chem. Soc.* **2002**, *124*, 13362.
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