

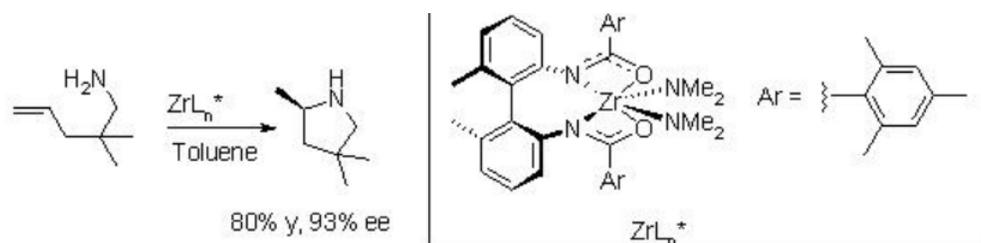
4.3: Hydroamination of Alkenes

Scandium 3,3'-tris(phenylsilyl)binaphtholate can be used as a highly active catalyst for the synthesis of pyrrolidine via intramolecular hydroamination (Scheme 4.3.1).



Scheme 4.3.1

Chiral neutral zirconium amidate has been used for hydroamination of primary aminoalkenes with 93% ee (Scheme 4.3.1).



Aminoalkene	Product	Yield [%]	ee [%]
		80	93
		91	88
		96	82

M. C. Wood, et al., *Angew. Chem. Int. Ed. Engl.* **2007**, 46, 354.

Scheme 4.3.2

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