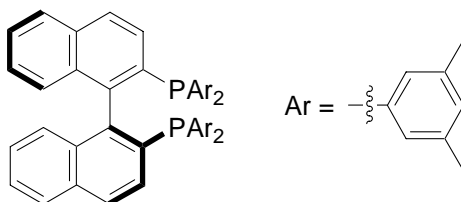


# Tech Note

## (S)-3,5-XyIBINAP

### (S)-(-)-2,2'-Bis{di(3,5-xylyl)phosphine}-1,1'-binaphthyl

CAS Number	135139-00-3
CASName	Phosphine, (1S)-[1,1'-binaphthalene]-2,2'-diylbis[bis(3,5-dimethylphenyl)-
Formula	C <sub>52</sub> H <sub>48</sub> P <sub>2</sub>
Molecular Weight	734.91

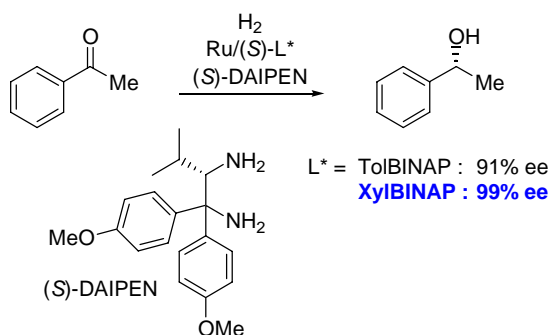


#### Representative references:

H. Kumobayashi, T. Miura, N. Sayo, T. Saito, X. Zhang, *Synlett*, 2001, 1055.

## Performance Examples and References:

XyIBINAP is usually used in the Noyori's Ru-Diphosphine-Diamine complexes for hydrogenation of simple ketones. In many cases this ligand gives higher ee values than those with BINAP or ToIBINAP.



*Angew. Chem. Int. Ed.* **2001**, *40*, 40.

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