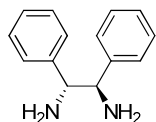
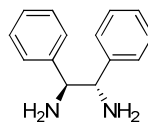




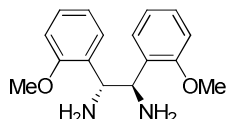
Chiral Diamine Ligands



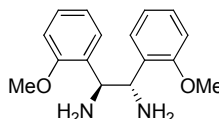
K07-0020
(R,R)-DPEN, ≥97.0%
(+)-(1R,2R)-1,2-Diphenylethane-1,2-diamine
 C₁₄H₁₆N₂; F.W: 212.29; [35132-20-8]



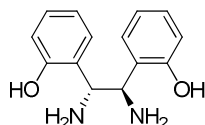
K07-0021
(S,S)-DPEN, ≥97.0%
(-)-(1S,2S)-1,2-Diphenylethane-1,2-diamine
 C₁₄H₁₆N₂; F.W: 212.29; [29841-69-8]



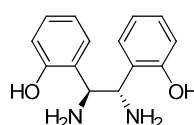
K08-0146
(+)-(1R,2R)-1,2-Bis(2-methoxyphenyl)-ethane-1,2-diamine, ≥97.0%
 C₁₆H₂₀N₂O₂; F.W: 272.34; [758691-50-8]



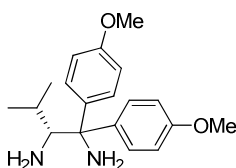
K08-0147
(-)-(1S,2S)-1,2-Bis(2-methoxyphenyl)ethane-1,2-diamine, ≥97.0%
 C₁₆H₂₀N₂O₂; F.W: 272.34; [148240-65-7]



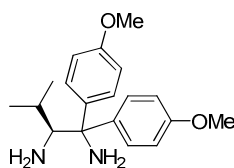
K08-0148
(+)-2,2'-(1R,2R)-1,2-Diaminoethane-1,2-diyl-diphenol, ≥97.0%
 C₁₄H₁₆N₂O₂; F.W: 244.29; [870991-70-1]



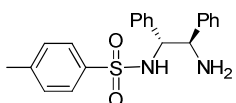
K08-0149
(-)-2,2'-(1S,2S)-1,2-Diaminoethane-1,2-diyl-diphenol, ≥97.0%
 C₁₄H₁₆N₂O₂; F.W: 244.29; [119386-71-9]



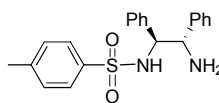
K08-0150
(R)-DAIPEN, ≥97.0%
(R)-1,1-Bis(4-methoxyphenyl)-3-methylbutane-1,2-diamine
 C₁₉H₂₆N₂O₂; F.W: 314.42; [166764-19-8]



K08-0151
(S)-DAIPEN, ≥97.0%
(S)-1,1-Bis(4-methoxyphenyl)-3-methylbutane-1,2-diamine
 C₁₉H₂₆N₂O₂; F.W: 314.42; [148369-91-9]



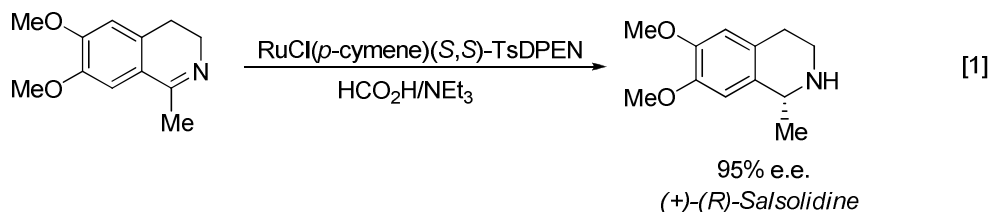
K16-0032
(R,R)-TsDPEN, ≥97.0%
(-)-(1R,2R)-N-p-Tosyl-1,2-diphenylethylene-diamine
 C₂₁H₂₂N₂O₂S; F.W: 366.48; [144222-34-4]

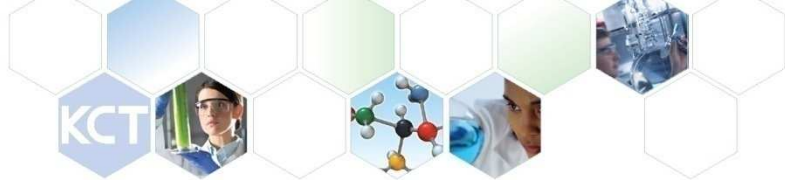


K16-0033
(S,S)-TsDPEN, ≥97.0%
(+)-(1S,2S)-N-p-Tosyl-1,2-diphenylethylene-diamine
 C₂₁H₂₂N₂O₂S; F.W: 366.48; [167316-27-0]

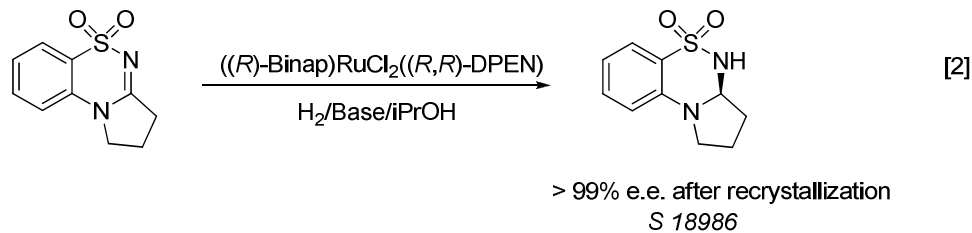
Chiral diamines are privileged ligands because they promote a great number of organic reactions with unprecedented selectivity. For instance, they are widely used in highly selective Noyori-type ruthenium hydrogenation catalysis and in the Jacobsen's epoxidation of olefins. Pertinent examples are depicted in reactions 1-4.

Asymmetric Transfer Hydrogenation of Imines:¹

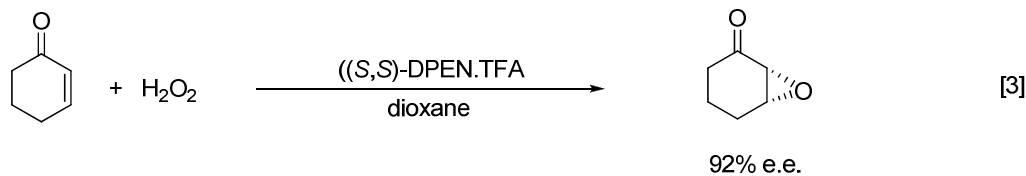




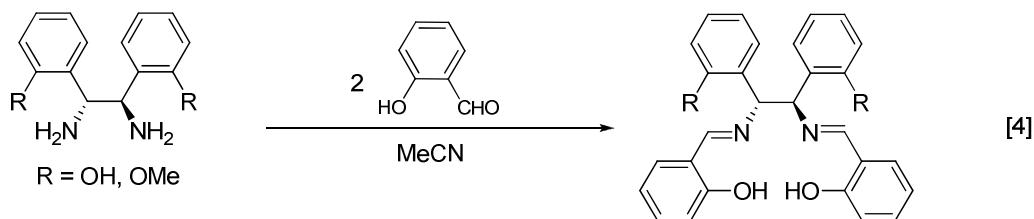
Enantioselective Hydrogenation of *N*-Sulfonylimines:²



Asymmetric Epoxidation of Cyclic Enones:³



Preparation of Diaryl-Salen Ligands:⁴



References

1. Uematsu, N. *et al. J. Am. Chem. Soc.* **1996**, *118*, 4916.
2. Copley, C. J. *et al. Tetrahedron: Asymmetry* **2003**, *14*, 3431.
3. Wang, X. *et al. J. Am. Chem. Soc.* **2008**, *130*, 6070.
4. Gust, R. *et al. J. Med. Chem.* **2004**, *47*, 5837.