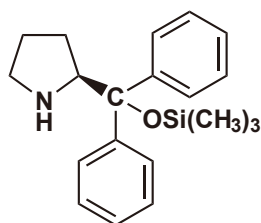


Proline-type Organocatalysts

Since the first proline-catalyzed asymmetric synthesis was reported in 1971,¹⁾ a number of asymmetric syntheses using proline and derivatives have been developed. Proline-type organocatalysts are predominantly applicable to a wide assortment of asymmetric aldol reactions and asymmetric 1,4-additions, and see further use for the synthesis of natural products. TCI offers an assortment of high performing proline-derived organocatalysts that excel furnishing complex intermediates to meet your research needs.

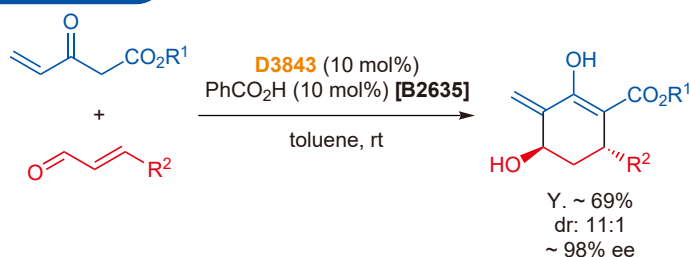
Reference 1) U. Eder, G. Sauer, R. Wiechert, *Angew. Chem. Int. Ed.* **1971**, *10*, 496.
DOI: <https://doi.org/10.1002/anie.197104961>

Prolinol Derivatives

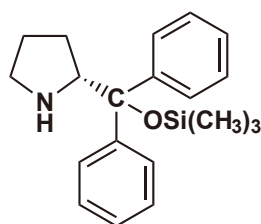


(S)-Hayashi-Jorgensen Catalyst
1g / 5g
[D3843]

Application

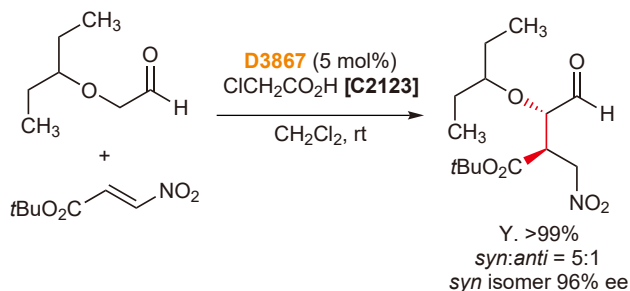


Reference S. Cabrera, J. Alemán, P. Bolze, S. Bertelsen, K. A. Jørgensen, *Angew. Chem. Int. Ed.* **2008**, *47*, 121.
DOI: <https://doi.org/10.1002/anie.200704076>

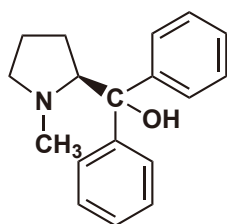


(R)-Hayashi-Jorgensen Catalyst
1g / 5g
[D3867]

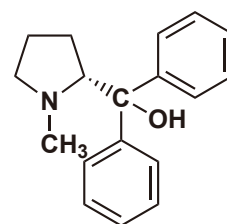
Application



Reference H. Ishikawa, T. Suzuki, Y. Hayashi, *Angew. Chem. Int. Ed.* **2009**, *48*, 1304.
DOI: <https://doi.org/10.1002/anie.200804883>

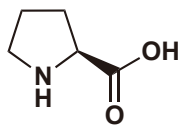


(S)-(+)-2-[Hydroxy(diphenyl)methyl]-1-methylpyrrolidine
100mg / 1g / 5g
[H0768]

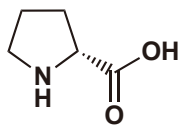


(R)-(-)-2-[Hydroxy(diphenyl)methyl]-1-methylpyrrolidine
100mg / 1g / 5g
[H0784]

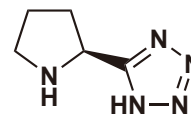
Proline Derivatives



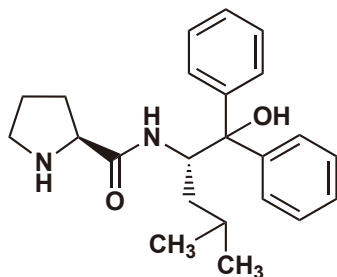
L-Proline
25g / 250g
[P0481]



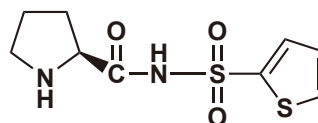
D-Proline
5g / 25g
[P0994]



(S)-5-(Pyrrolidin-2-yl)-1H-tetrazole
100mg / 500mg
[P1784]

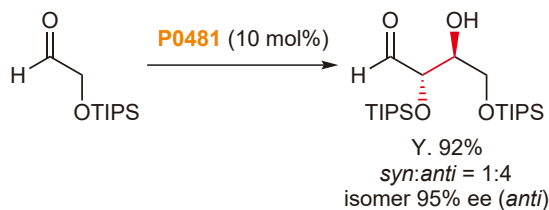


Singh's Catalyst
200mg / 1g
[H1407]

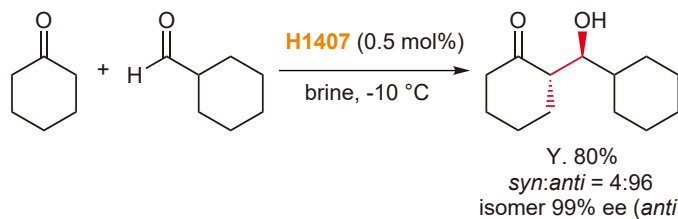


N-(2-Thiophenesulfonyl)-L-prolinamide
100mg
[T3080]

Applications



Reference A. B. Northrup, D. W. C. MacMillan, *Science* **2004**, 305, 1752. DOI: <https://doi.org/10.1126/science.1101710>



Reference V. Maya, M. Raj, V. K. Singh, *Org. Lett.* **2007**, 9, 2593. DOI: <https://doi.org/10.1021/ol071013l>

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25g / 500g [C2123]

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