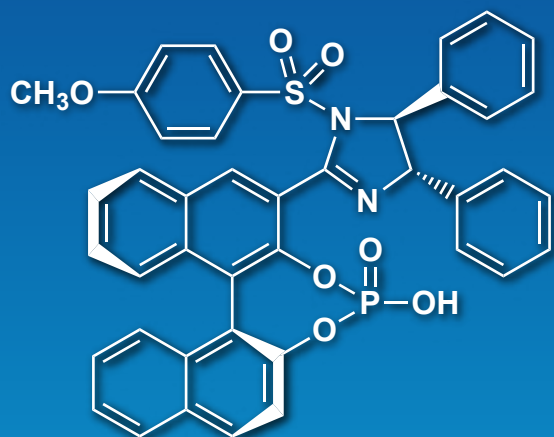


New**TGI**

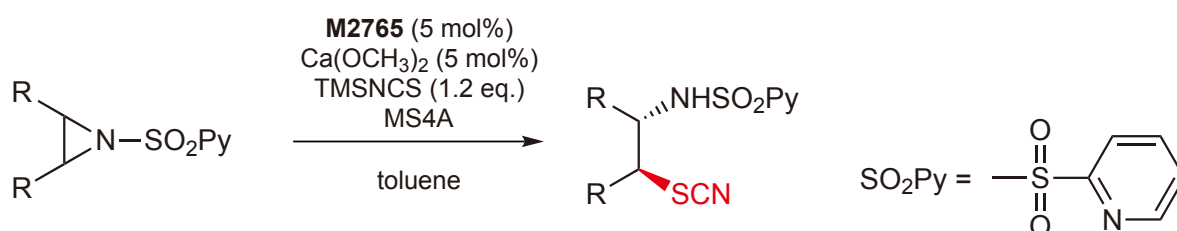
Chiral Phosphoric Acid Catalyst for the Enantioselective Desymmetrization of Aziridines

**[M2765]**

Advantages

- Effective Catalyst for the Enantioselective Desymmetrization of *meso*-Aziridines.
- Formed Products Can Be Converted to Optically Active β -Amino Acids or Taurine Derivatives.

Applications



Substrate	Yield (%)	er	Substrate	Yield (%)	er
	99	96 : 4		52	82 : 18
	99	94 : 6		99	91 : 9

S. Nakamura, M. Ohara, M. Koyari, M. Hayashi, K. Hyodo, N. R. Nabisaheb, Y. Funahashi, *Org. Lett.* **2014**, *16*, 4452.

M2765 (S)-3-[1-(4-Methoxybenzenesulfonyl)-(4S,5S)-4,5-diphenyl-4,5-dihydro-1H-imidazol-2-yl]-1,1'-binaphthalene-2,2'-diyl Hydrogen Phosphate

50mg

Chiral Phosphoric Acid Catalyst for the Enantioselective Desymmetrization of Aziridines

Introduction of the Researcher

Group of Synthetic Organic
Chemistry

Nakamura laboratory

Nagoya Institute of Technology
Graduate School of Engineering
Department of Life Science and
Applied Chemistry
Frontier Research Institute for
Material Science



content of the research

Many examples showing different actions between enantiomers in biology have been reported. Therefore, in recent organic chemistry, a most important issue is to establish the methodology to synthesize pure enantiomers such as pharmaceuticals and agricultural chemicals effectively. From this perspective, Nakamura's laboratory has been working on the development of methodology of a new asymmetric synthesis as a main subject. Especially by developing new catalysts, they have succeeded in synthesizing the compounds that were hard to synthesize by conventional methods.

For further information please refer to our website at www.TCIchemicals.com.

chiral phosphoric acids



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