



Univerzita Karlova v Praze, Přírodovědecká fakulta

Sekce chemie PŘF UK v Praze
zve všechny zájemce na přednášku z cyklu

Quo Vadis Chemie

From Simplicity to Complexity: Exploiting the Potential of Bifunctionality



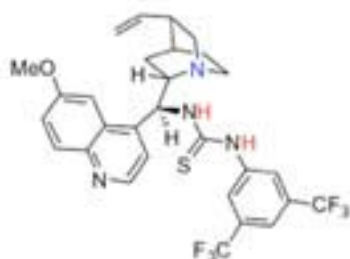
kterou přednese

Profesor Tibor Soós

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dne 18.11. v 14:00 hod.

v posluchárně CH2, v budově chemických kateder PŘF UK
Hlavova 8, Praha 2



Abstrakt: We have developed epi-quinuclidine bifunctional thiourea organocatalysts **1** as a general and efficient catalysts for a variety of asymmetric reactions.¹ Our work revealed many aspects of bifunctionality and showed also the potential of this chemistry in API synthesis. Most recently, we have initiated a synthetic program which exploits the potential offered by bifunctional organocatalysis to construct highly complex structures. Our major goal was to develop a new and versatile building block for terpenoid synthesis.

¹ (a) B. Vakulya, Sz., Varga, A. Csámpai, T. Soós *Org. Lett.* **2005**, *7*, 1967. (b) A. Hamza, G. Schubert, T. Soós *J. Am. Chem. Soc.* **2006**, *128*, 13151. (c) G. Tárkányi, P. Király, Sz. Varga, B. Vakulya, T. Soós *Chem. Eur. J.* **2008**, *14*, 6078. (d) B. Vakulya, Sz. Varga, T. Soós *J. Org. Chem.* **2008**, *73*, 3475. (e) Sz. Varga, G. Jakab, L. Drahos, T. Holczbauer, M. Czugler, T. Soós *Org. Lett.* **2011**, *13*, 5416. (f) G. Tárkányi, P. Király, T. Soós, Sz. Varga *Chem. Eur. J.* **2012**, *18*, 1918.