



KYOTO UNIVERSITY  
Global COE Program

INTEGRATED  
MATERIALS SCIENCE

# Global COE Seminar "Integrated Material Synthesis"

## ICR·IRCELS Organic Chemistry Seminar



化學研究所

# "Substituted Dewar benzenes: synthesis, reactivity and application"



**Prof. Martin Kotora**  
(Charles University, Czech Republic)

**16:00–17:30, 1/6 (Tue), 2010**  
**Seminar room 1&2, Obaku Plaza 1F**

1. <sup>▲</sup> J. Dewar (1867). "On the Oxidation of Phenyl Alcohol, and a Mechanical Arrangement adapted to illustrate Structure in the Non-saturated Hydrocarbons". *Proc. Royal Soc. Edinburgh* 6,62: 96.
2. <sup>▲</sup> E. E. Van Tamelen, S. P. Pappas (1962). "Chemistry of Dewar Benzene. 1,2,5-Tri-*t*-Butylbicyclo[2.2.0]Hexa-2,5-Diene". *Journal of the American Chemical Society* 84 (19): 3789–3791. doi:10.1021/ja00878a054
3. <sup>▲</sup> E. E. Van Tamelen, S. P. Pappas (1963). "Bicyclo [2.2.0]hexa-2,5-diene". *Journal of the American Chemical Society* 85 (20): 3297–3298. doi:10.1021/ja00903a056

Dewar benzene	
Properties	
Molar mass	78.1 g/mol
Except where noted otherwise, data are given for materials in their standard state (at 25 °C, 100 kPa)	
Infobox references	

Contact : Kawabata, Murata, Nakamura, Ozawa, Tokitoh, Yamago (Nakamura, ext. 3180)