



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

Quo Vadis Chemie

Transformation of Organic Molecules by Carbon-Carbon Bond Cleavage Reactions on Titanium



kterou přednese u příležitosti udělení
Zlaté medaile PŘF UK

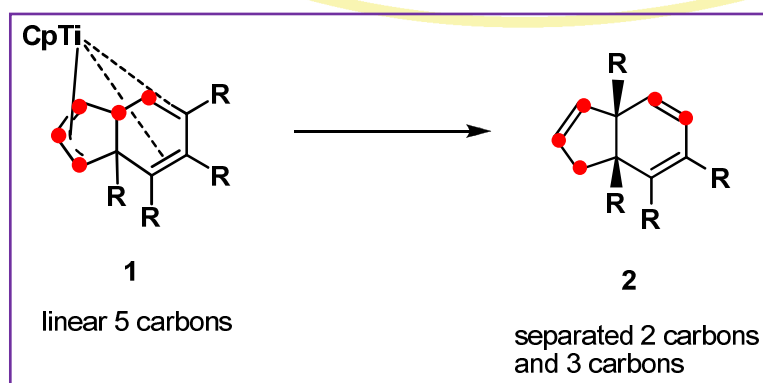
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v posluchárně CH2, v budově chemických kateder PŘF UK
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Abstract: Carbon-carbon bond cleavage is a challenge in organic chemistry. Observation of the carbon-carbon bond cleavage reaction of organic molecules on transition metals is important to understand the reaction mechanism of the carbon-carbon bond cleavage.

Titanium-dihydroindene derivatives **1** prepared from titanacyclopentadienes have linearly



aligned five carbons originated from Cp ligand. In this lecture, I would like to report that the linearly aligned five carbons in **1** were separated into three carbon groups and two carbon groups on titanium. This was verified by ^{13}C labelling experimental. The products **2** were obtained as free compounds.