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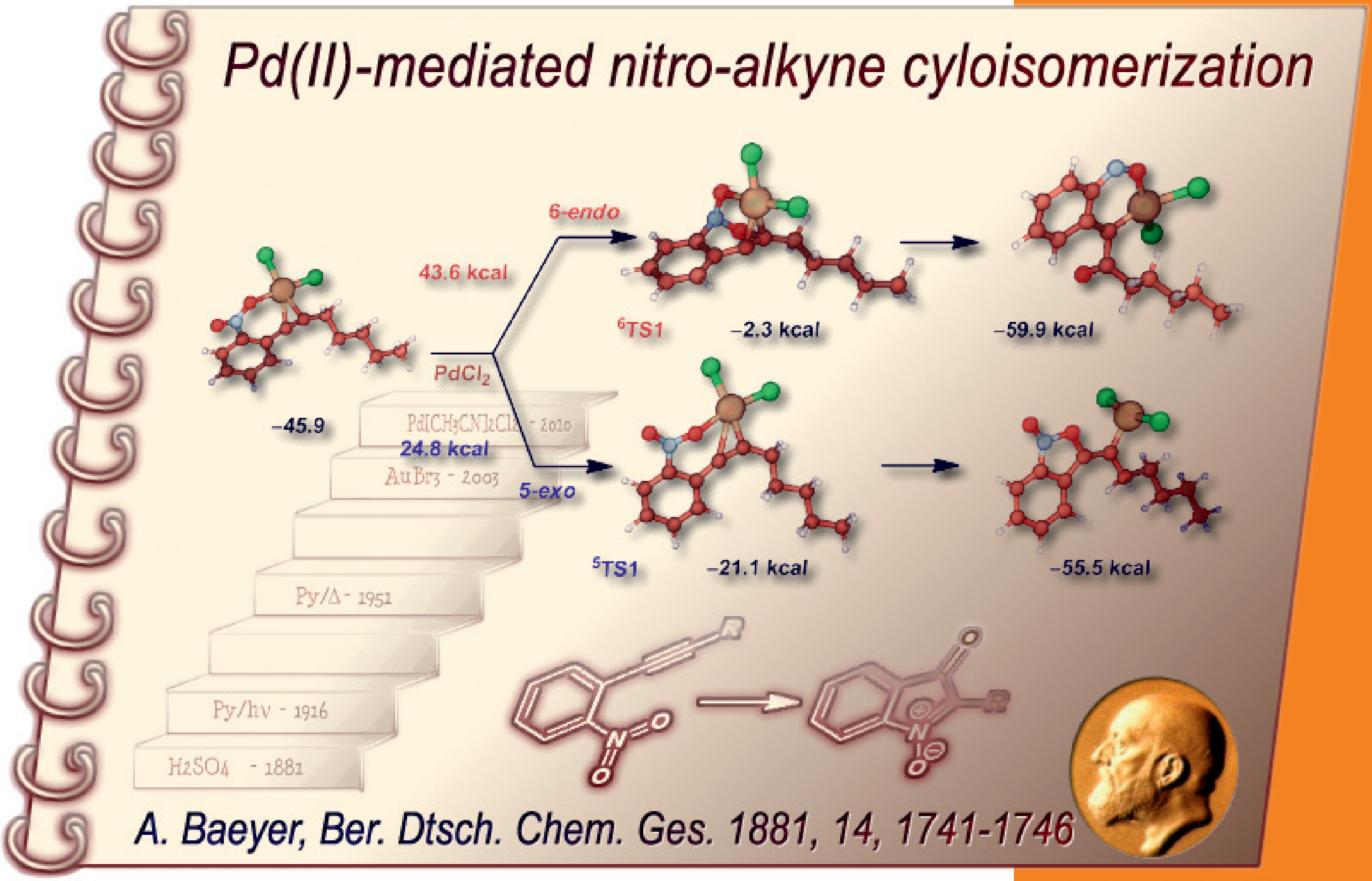

Cover Picture

Chepuri V. Ramana, Kumar Vanka, Alexei Degterev et al.
Pd-Mediated Cycloisomerization of o-Alkynylnitrobenzenes to Isatogens

Microreview

Muneer Ahamed and Matthew H. Todd
Asymmetric Additions of Nucleophiles to Aromatic N-Heterocycles

A Journal of

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COVER PICTURE

The cover picture shows the historical details of the nitro–alkyne cycloisomerization leading to isatogens. Since the first documentation of this reaction by Baeyer (picture of Baeyer and the corresponding literature citation are shown) in the late 19th century, a mild and general method for the synthesis of isatogens has been sought. The electrophilic Pd^{II} halide complexes are found to bring about this cyclization to provide the desired isatogens and accommodate both aryl and alkyl substituents as well as tolerate commonly employed protecting groups/functional units. Details of the course of the reaction through advanced theoretical studies and the utility of isatogens as new ROS (reactive oxygen species) scavengers are discussed in the article by C. V. Ramana, K. Vanka, A. Degterev et. al. on p. 5955ff.