

Science of Synthesis

Your expert guide to making molecules

- Want a comprehensive overview of a certain topic?
- Need to find the right synthetic route quickly?
- Looking to save time when planning a synthesis?

The screenshot shows the Science of Synthesis interface. The search bar contains 'Photocatal...'. The results list shows a specific article: '16.2.1.3 Enantioselective Cycloadditions of Chalcones Enabled by Ruthenium/Scandium Dual Catalysis'. Below the title, it provides the DOI: 10.1055/sos-SD-229-00260 and the author information: Amador, A. G.; Scholtz, S. O.; Skubi, K. L.; Yoon, T. P., Science of Synthesis: Photocatalysis in Organic Synthesis, (2018) 1, 479. A short abstract follows, describing an alternative strategy for enantioselective photocatalysis. Below the text is a chemical reaction scheme labeled 'Table 6 Intermolecular (2+2) Cycloaddition of Hydrochalcones [25,26]'. The scheme shows the reaction of a chalcone derivative (14) with a diene (15) in the presence of a ruthenium catalyst and a scandium catalyst to form a cyclobutane product (16).

To register scan the QR code below or click here!



When:

Friday 8 September 2023, 10:00

Where:

Room 672, North Tower
Science Building, North Campus

Contact for More Information:

Prof. Hideki Yorimitsu

E-Mail: yori@kuchem.kyoto-u.ac.jp

Bring your own laptop or tablet to try it out for yourself!



Presenter:
Dr. Marcus White
Scientific Editor, Science of
Synthesis



We transform synthesis!

