



The Generation of doubly activated ...

... cyclopropanes upon irradiating alkenes and β-dicarbonyl-derived iodonium ylides with visible light from blue LEDs is shown by S. Quideau, W. S. Hopkins, G. K. Murphy, and co-workers in their Research Article on page 16959 ff. This metal-free cyclopropane synthesis works with cyclic and acyclic ylides and electronically diverse alkenes. Computational analysis supports a mechanism based on exclusive HOMO to LUMO excitation, instead of free-carbene generation.