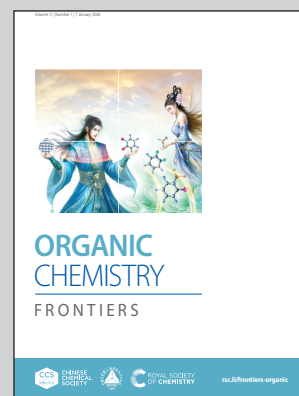


Showcasing research from Grupo de Química Farmacèutica, IQS School of Engineering, Universitat Ramon Llull, Barcelona, Spain.

Autocatalytic photoinduced oxidative dehydrogenation of pyrido[2,3-*d*]pyrimidin-7(8*H*)-ones: synthesis of C5-C6 unsaturated systems with concomitant formation of a long-lived radical

5,6-Dihydropyrido[2,3-*d*]pyrimidin-7(8*H*)-ones are dehydrogenated to the corresponding pyrido[2,3-*d*]pyrimidin-7(8*H*)-ones by irradiating at 450 or 365 nm in DMSO, in the presence of air, and at room temperature without any added photosensitizer. The picture shows the simplicity of such a process in which hydrogen peroxide is formed. Background designed by starline via Freepik.com.

As featured in:



See Raimon Puig de la Bellacasa *et al.*, *Org. Chem. Front.*, 2024, 11, 27.

Registered charity number: 207890



CHINESE
CHEMICAL
SOCIETY



ROYAL SOCIETY
OF CHEMISTRY

rsc.li/frontiers-organic