



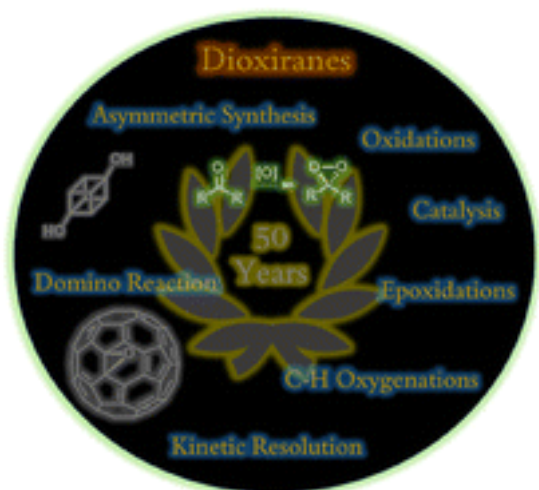
UNIVERSITÀ
DEGLI STUDI
DI BRESCIA

I SEMINARI DEL DIPARTIMENTO DI MEDICINA MOLECOLARE E TRASLAZIONALE

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A journey into the realm of oxidations with dioxiranes



Oxidation reactions are of paramount importance in organic synthesis. However, with most chemical methods, the main issue does not lie in the feasibility of processes but rather in achieving products with high selectivity. Dioxiranes are three-membered ring organic peroxides, which, despite their simple architecture, proved to be extremely versatile and capable of the high selectivity typical of enzyme systems. Moreover, their extremely mild operational conditions (neutral pH,

ambient or sub-ambient temperatures) have given access to a range of interesting target molecules, which cannot easily be obtained with other chemical methods. For these reasons, dioxirane-mediated oxidations have often been regarded as biomimetic processes.

Martedì 7 maggio 2024, Ore 13:00, aula A

Proponente: Prof.ssa Daniela Letizia Uberti