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UNIVERSITÀ DEGLI STUDI DI ROMA

Dipartimento di Scienze e Tecnologie Chimiche

SEMINARIO

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Divergent Photocatalysis for the Synthesis of Fluorinated Azetidines

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Aula Seminari "Lorenzo Stella"

Dipartimento di Scienze e Tecnologie Chimiche

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Divergent Photocatalysis for the Synthesis of Fluorinated Azetidines

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The renaissance of strain-relief chemistry has highlighted the convenience of employing 1-azabicyclo[1.1.0]butanes (ABBs) as precursors to access azetidine derivatives. While polar strategies have established well-developed routes for accessing these heterocycles, radical approaches have emerged only more recently. These methods therefore offer a comparatively underexplored, yet complementary, mode of reactivity that is beginning to expand the synthetic potential of ABBs. This talk will focus on telling two stories in which ABBs engage photocatalyzed transformations, allowing the incorporation of fluorinated adducts through unexpected manners.

