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SYNTHESIS OF PHENANTRIDINONES AND BENZOCHROMENES BY C-H ACTIVATION REACTIONS CATALYSED BY PALLADIUM NANOPARTICLES

FCQ Inversidad de Córdoba

Eva Daniela Díaz Vázquez, Micaela A. Cuellar, Micaela D. Heredia, Silvia M. Barolo, María E. Budén, Paula M. Uberman y Sandra E. Martín



BACKGROUND



Benzochromenes

Cannabinol

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Derivate with antiemetic, analgesic and anticonvulsant propieties



Phenantridinones . Phenanthridin-6(5H)-one Inhibitor of poly(ADP-ribose) polymerase

(PARP).

of UNH

OBJETIVE

- Synthesize Benzo[c]chromenes and Phenanthridin-6-(5H)-ones by C-H Activation reactions catalyzed by Pd nanoparticles
- Develop of sustainable reaction conditions
- Evaluate the synthetic scope of catalytic systems

PHOTOINDUCED SYNTHESIS OF Pd NPs



Tolerates various substituent groups in position—para



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