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Novel approach towards 3,7-disubstituted 1,6-naphthyridin-4(1*H*)-ones exploiting cross-coupling and S_NAr reactions of a dihalogenated compound

Ousmane Dembélé, David Montoir, Thomas Yvorra, Dylan Sérillon, Alain Tonnerre, Muriel Duflos, Jean-Michel Robert, Marc-Antoine Bazin

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Ousmane Dembélé, David Montoir, Thomas Yvorra, Dylan Sérillon, Alain Tonnerre, Muriel Duflos, Jean-Michel Robert and Marc-Antoine Bazin*

Département de Chimie Thérapeutique, Université de Nantes, Nantes Atlantique Universités, EA1155-ICiMed, Institut de Recherche en Santé 2, 22 Boulevard Bénoni Goullin, F-44200 Nantes, France

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ABSTRACT

A new route towards the synthesis of a series of 3,7-disubstituted 1,6-naphthyridin-4(1H)-ones in moderate to good yields is reported. The strategy involves the preparation of a 3,7-dihalogenated compound that undergoes differential functionalization using palladium-catalyzed cross-coupling and S_NAr reactions.

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* Corresponding author. Tel.: +33 253 009 144; e-mail: marc-antoine.bazin@univ-nantes.fr

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