Supplementary Material

Metal-free addition of aliphatic carboxylic acids to cyanopropargyl alcohols: an access to new families of functionalized dihydrofurans and 3(2H)-furanones

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1. \textsuperscript{1}H and \textsuperscript{13}C spectra of the synthesized products 3b-e

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1. $^1$H and $^{13}$C spectra of the synthesized products 3b-e

(Z)-2-[3-Cyano-4-(cyanomethylene)-5,5-dimethyl-4,5-dihydrofuran-2-yl]propan-2-yl butyrate (3b)
(Z)-2-[3-Cyano-4-(cyanomethylene)-5,5-dimethyl-4,5-dihydrofuran-2-yl]propan-2-yl pentanoate (3c)
(Z)-2-[3-Cyano-4-(cyanomethylene)-5,5-dimethyl-4,5-dihydrofuran-2-yl]propan-2-yl isobutyrate (3d)
(Z)-2-[3-Cyano-4-(cyanomethylene)-5,5-dimethyl-4,5-dihydrofuran-2-yl]propan-2-yl 3-methylbutanoate (3e)
2. $^1$H and $^{13}$C spectra of the synthesized products $4b$-$e$
5,5-Dimethyl-4-oxo-2-propyl-4,5-dihydro-3-furancarbonitrile ($4b$)
2-Butyl-5,5-dimethyl-4-oxo-4,5-dihydro-3-furancarbonitrile (4c)
5,5-Dimethyl-4-oxo-2-propyl-4,5-dihydro-3-furancarbonitrile (4d)
2-Isobutyl-5,5-dimethyl-4-oxo-4,5-dihydro-3-furancarbonitrile (4e)