Supporting Information

Atom-economic threefold cross-couplings of triarylbumuth reagents with 2-halobenzaldehydes and pot-economic in situ Wittig functionalizations with phosphonium salts

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[M]$^+$ calcd. 212.0837
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[M+H]^+ calcd. 213.0916
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[M]^+ calcd. 262.0994
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[M+H]^+ calcd. 243.1021
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\[ [M+H]^+ \text{ calcd. } 271.1334 \]
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[M+H]^+ calcd. 303.1385
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[M+H]^+ calcd. 257.1178
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[\text{M}^+] \text{ calcd.} 261.0193
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[M+H]^+ calcd. 349.1440
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$^1$H NMR spectrum of diethyl 3,3'-bis(biphenyl-2,4'-diyl)diacrylate (E/Z = 1:0.2) (4.1)
$^{13}$C NMR spectrum of diethyl 3,3'-(biphenyl-2,4'-diyl)diacrylate (E/Z = 1:0.2) (4.1)
HRMS spectrum of diethyl 3,3’-(biphenyl-2,4'-diyl)diacrylate (E/Z = 1:0.2) (4.1)
$^1$H NMR spectrum of ethyl 3-(4-(1-(3-ethoxy-3-oxoprop-1-enyl)naphthalen-2-yl)phenyl)acrylate (E/Z = 1:0.2) (4.2)
$^{13}$C NMR spectrum of ethyl 3-((4-(1-(3-ethoxy-3-oxoprop-1-enyl)naphthalen-2-yl)phenyl)acrylate (E/Z = 1:0.2) (4.2)
HRMS spectrum of ethyl 3-(4-(1-(3-ethoxy-3-oxoprop-1-enyl)naphthalen-2-yl)phenyl)acrylate (E/Z = 1:0.2) (4.2)
$^1$H NMR spectrum of diethyl 3,3'-(4-(benzyloxy)biphenyl-2,4'-diyl)diacrylate (E/Z = 1:0.06) (4.3)
$^{13}$C NMR spectrum of diethyl 3,3'-(4-(benzyloxy)biphenyl-2,4'-diyl)diacrylate (E/Z = 1:0.06) (4.3)
HRMS spectrum of diethyl 3,3’-(4-(benzyl)oxy)biphenyl-2,4’-diyl)diacrylate (E/Z = 1:0.06) (4.3)