Supporting Information

Ketone-catalyzed photochemical C(sp$^3$)–H chlorination

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$^1$H NMR of 12

$^{13}$C NMR of 12
$^1$H NMR of 16

$^{13}$C NMR of 16

S3
$^1$H NMR of 18

$^{13}$C NMR of 18
$^1$H NMR of 20

$^{13}$C NMR of 20
$^1$H NMR of 22

$^{13}$C NMR of 22

S6
$^1$H NMR of 24

$^{13}$C NMR of 24
$^1$H NMR of 34

$^{13}$C NMR of 34
$^1$H NMR of 38

$^{13}$C NMR of 38
Crude $^1$H NMR of 40

Crude $^1$H NMR of 42