

Accessory Publication**Thermal Decomposition of *N*-Acyloxy-*N*-alkoxyamides — a New HERON Reaction**

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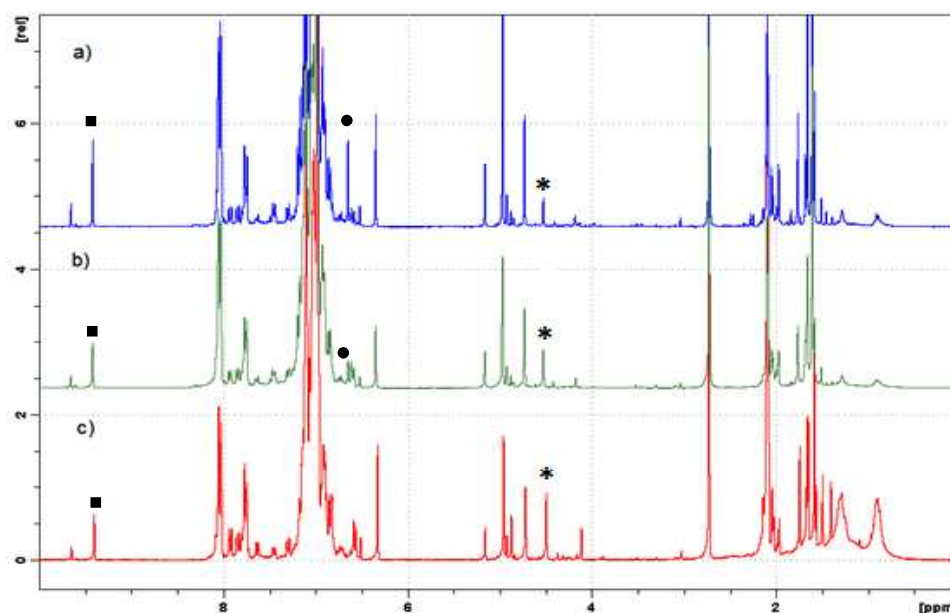


Figure S1. Progressive increase in concentration of 4-chlorobenzyl nitrate **25** (*) and decrease in 4-chlorobenzonitrile **23** (●) as the concentration of oxygen increases from a) purged with nitrogen; b)

saturated with oxygen c) saturated with oxygen at half concentration of SM, as monitored by ^1H NMR spectroscopy.

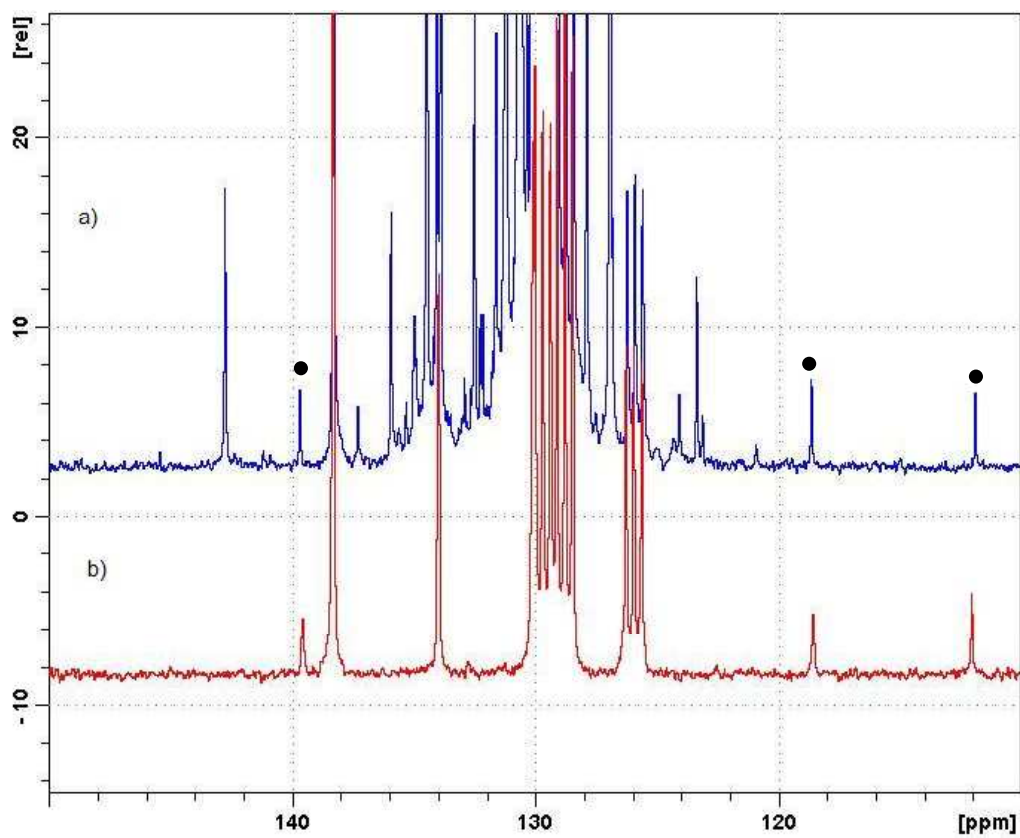


Figure S2. ^{13}C NMR spectrum of (a) reaction mixture from decomposition of *N*-acetoxy-*N*-(4-chlorobenzoyloxy)benzamide in d_8 -toluene; (b) pure 4-chlorobenzonitrile in d_8 -toluene)

QuickTime™ and a
BMP decompressor
are needed to see this picture.

Figure S3. Ester methylene region of the ^1H NMR spectrum of reaction mixture from cross-over decomposition of *N*-acetoxy-*N*-benzyloxy-4-*tert*-butylbenzamide **41c** and *N*-(4-chlorobenzyloxy)-*N*-heptanoyloxybenzamide **41d** in d_8 -toluene; three esters unassigned.