

Supplementary Materials for:

(4-(Adamantan-1-yl)-1-(isopropyl)-1H-imidazol-2-yl)methanol

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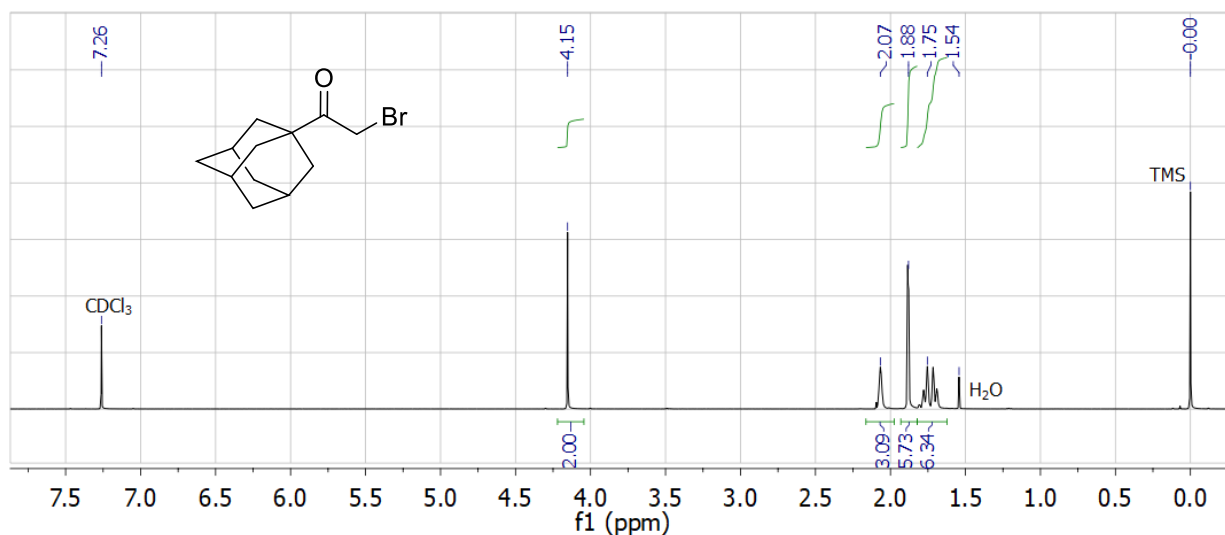


Figure S1. ^1H NMR of 1-(adamantan-1-yl)-2-bromoethanone (**1**). (CDCl_3 , 500 MHz).

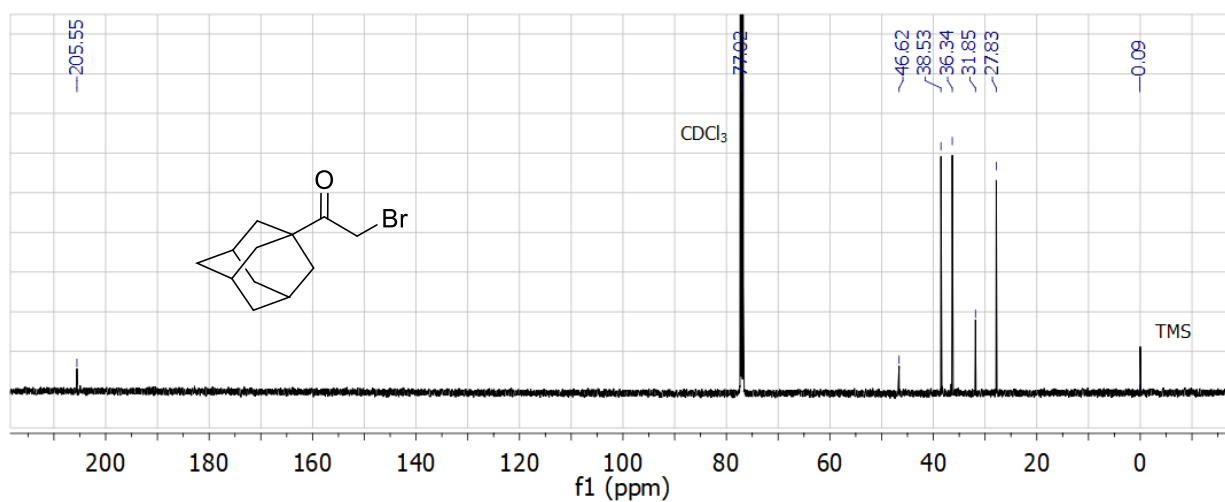


Figure S2. $^{13}\text{C}\{^1\text{H}\}$ NMR of 1-(adamantan-1-yl)-2-bromoethanone (**1**). (CDCl_3 , 126 MHz).

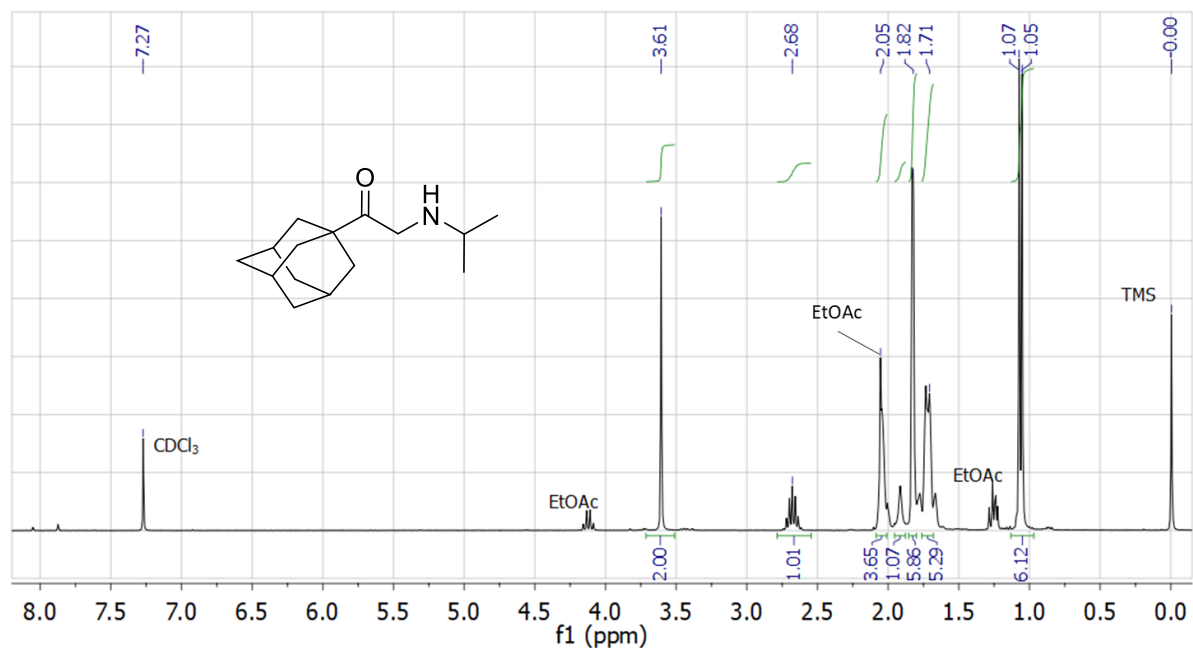


Figure S3. ^1H NMR of 1-(adamantan-1-yl)-2-(isopropylamino)ethanone (**2**). (CDCl_3 , 500 MHz) Peak at $\delta = 2.08$ ppm from residual EtOAc overlaps with product peak at $\delta 2.05$ ppm.

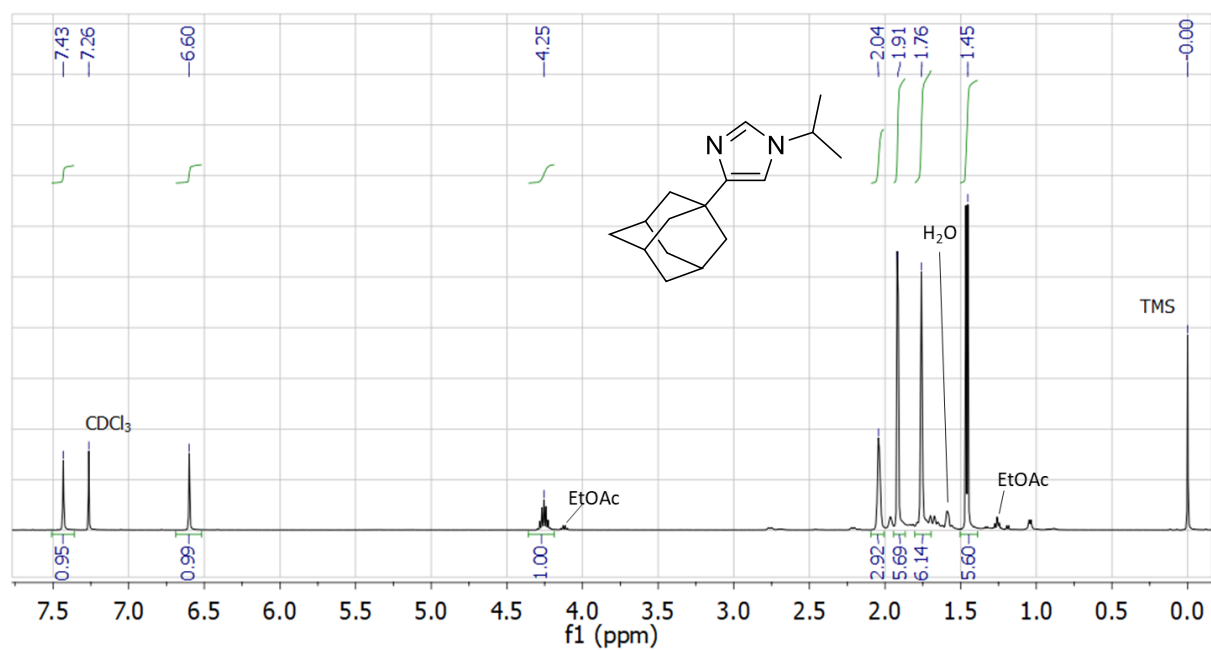


Figure S4. ^1H NMR of 4-(adamantan-1-yl)-1-isopropylimidazole (**3**). (CDCl_3 , 500 MHz).

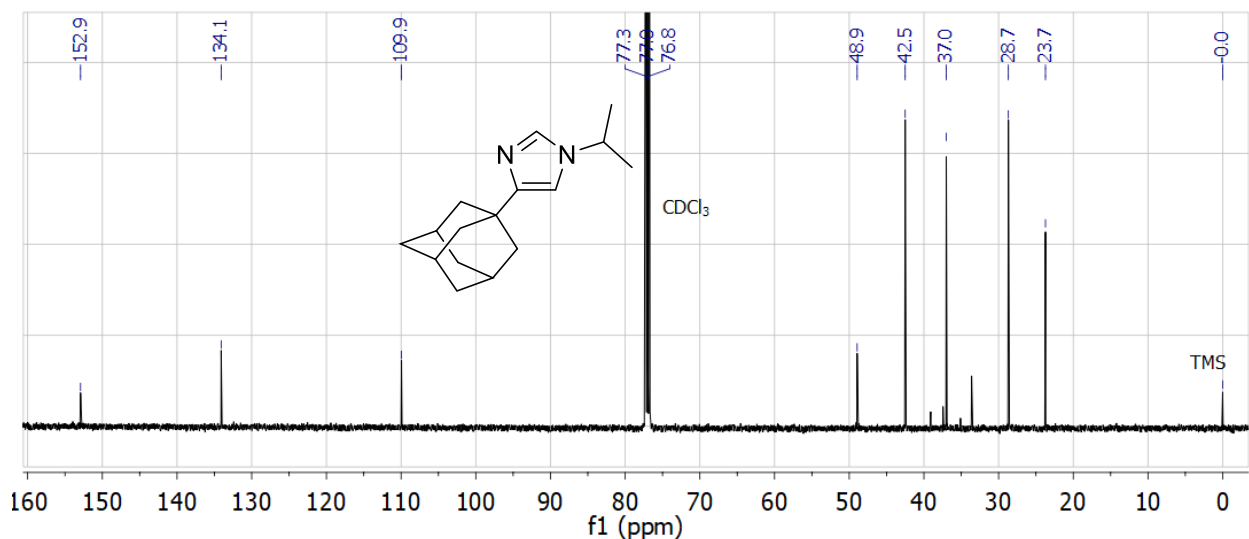


Figure S5. $^{13}\text{C}\{^1\text{H}\}$ NMR of 4-(adamantan-1-yl)-1-isopropylimidazole (**3**). (CDCl_3 , 126 MHz). The identity of impurity peaks around $\delta = 34$ to 39 ppm is currently unknown. However, the presence of minor impurities at this stage did not prevent us from being able to access subsequent products **4** and **5**.

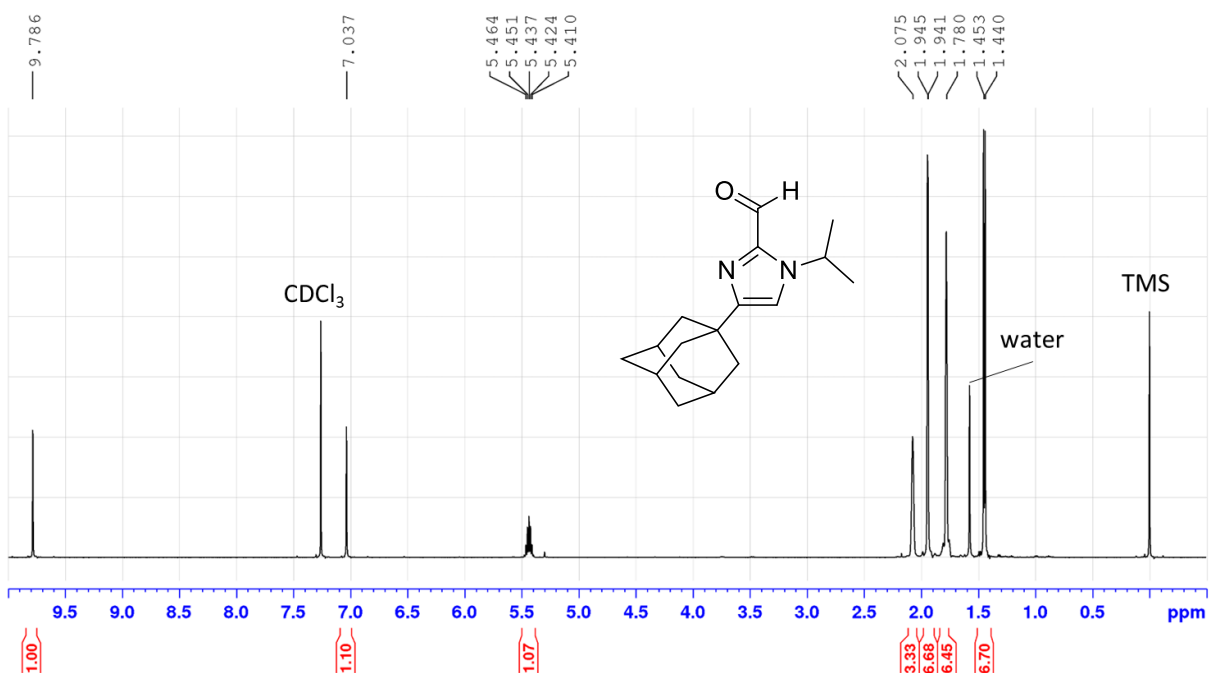


Figure S6. ^1H NMR of 4-(adamantan-1-yl)-1-isopropylimidazole-2-carbaldehyde (**4**). (CDCl_3 , 500 MHz).

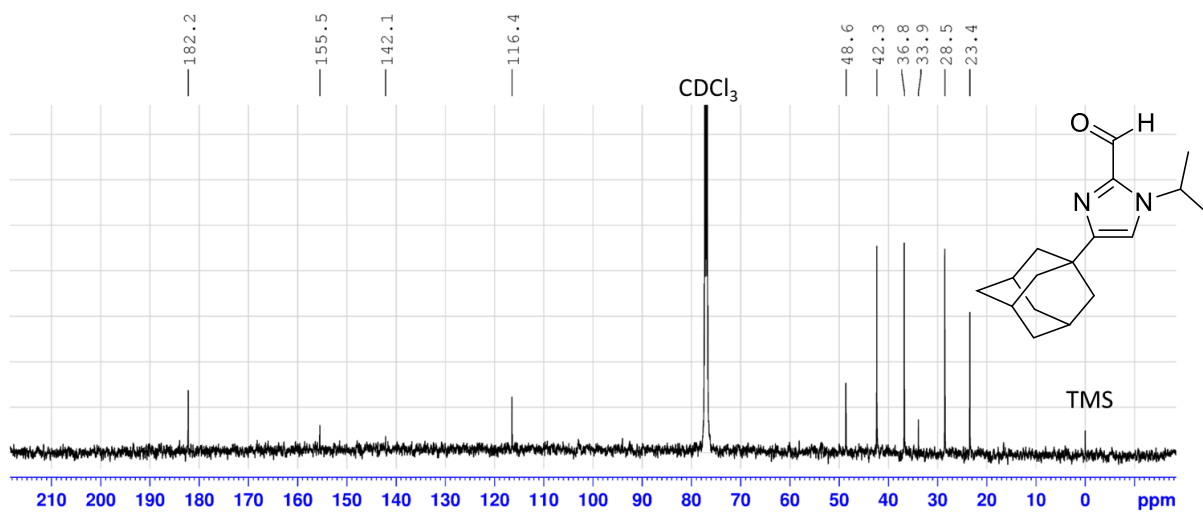


Figure S7. $^{13}\text{C}\{^1\text{H}\}$ NMR of 4-(adamantan-1-yl)-1-isopropylimidazole-2-carbaldehyde (**4**). (CDCl₃, 126 MHz).

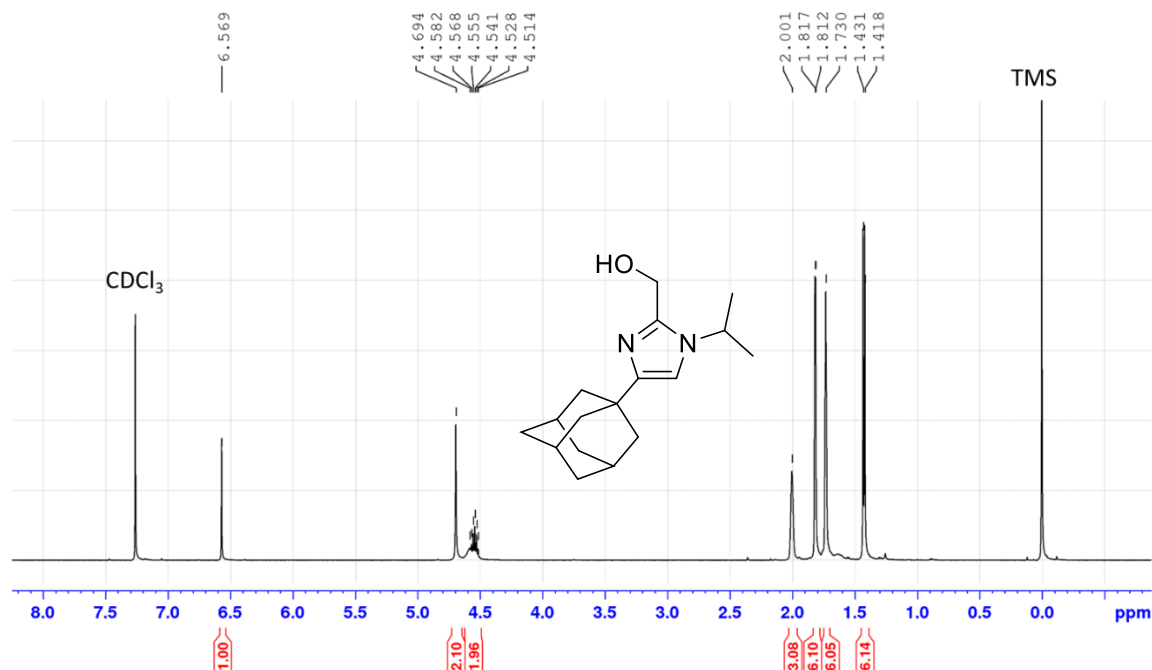


Figure S8. ^1H NMR of (4-(adamantan-1-yl)-1-isopropylimidazol-2-yl)methanol (**5**). (CDCl₃, 500 MHz).

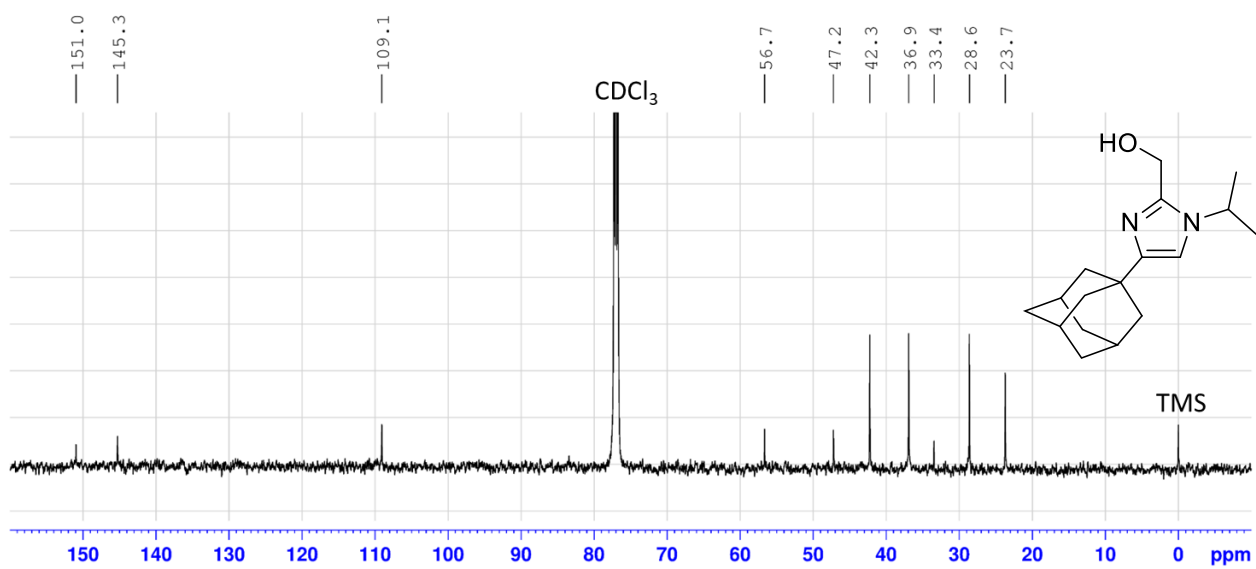


Figure S9. $^{13}\text{C}\{^1\text{H}\}$ NMR of 4-(adamantan-1-yl)-1-isopropylimidazol-2-yl)methanol (5). (CDCl_3 , 126 MHz).