

New *Trypanosoma brucei* acting derivatives incorporating 1-(4-phenyl)adamantane and 1-(4-phenoxyphenyl)adamantane

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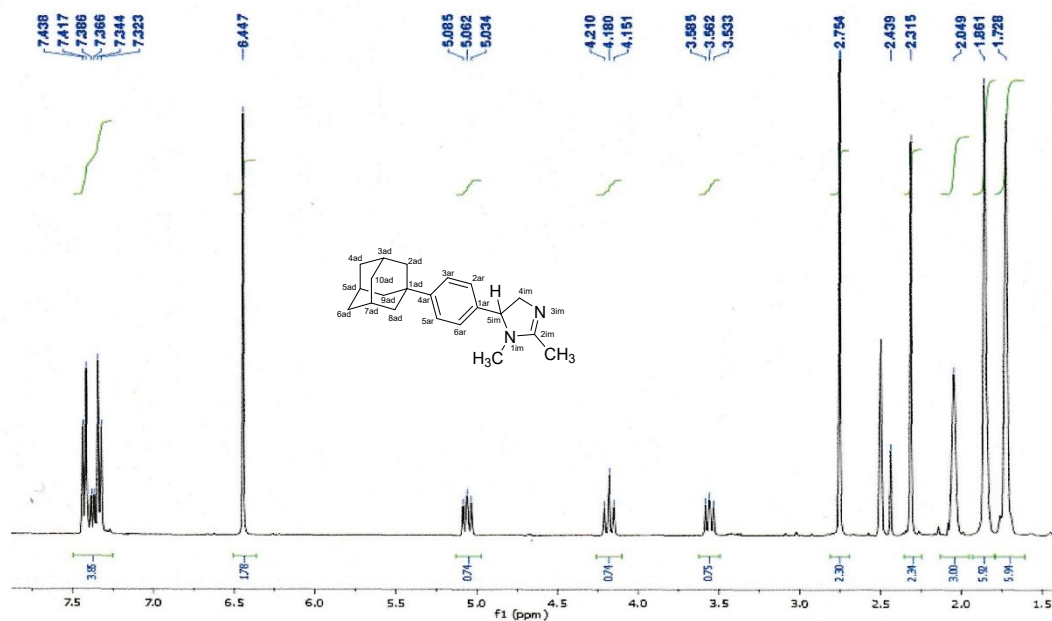
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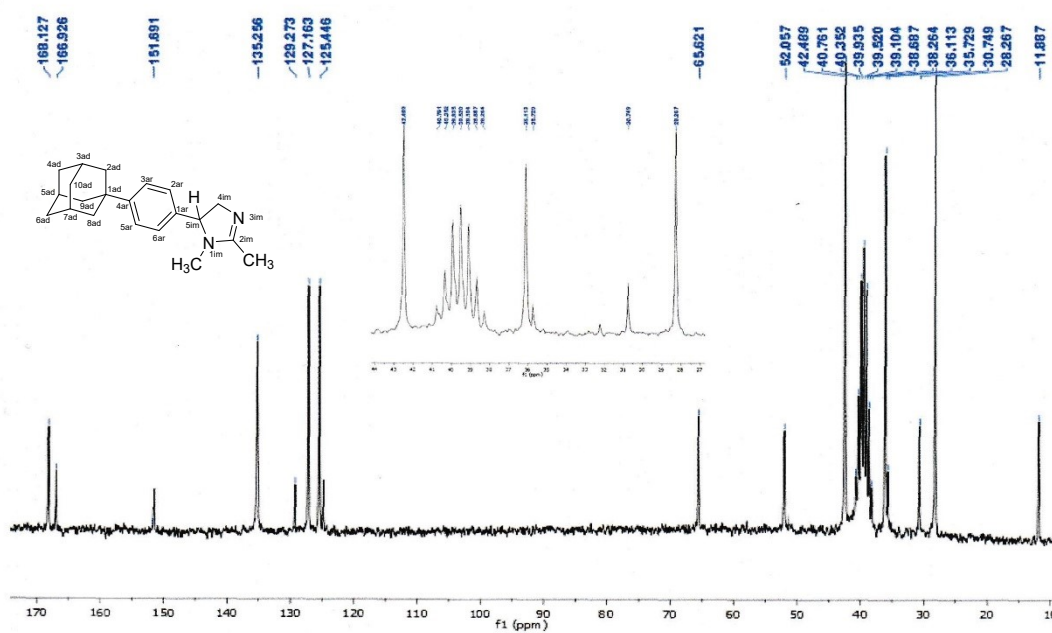
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† Equal contribution as co-first authors.

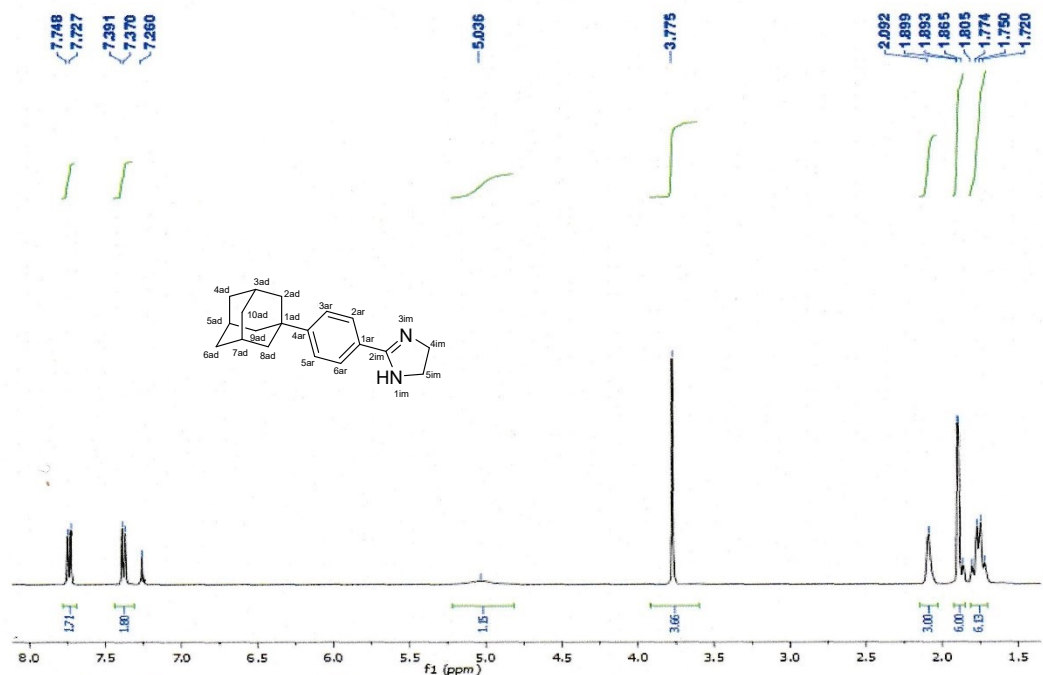
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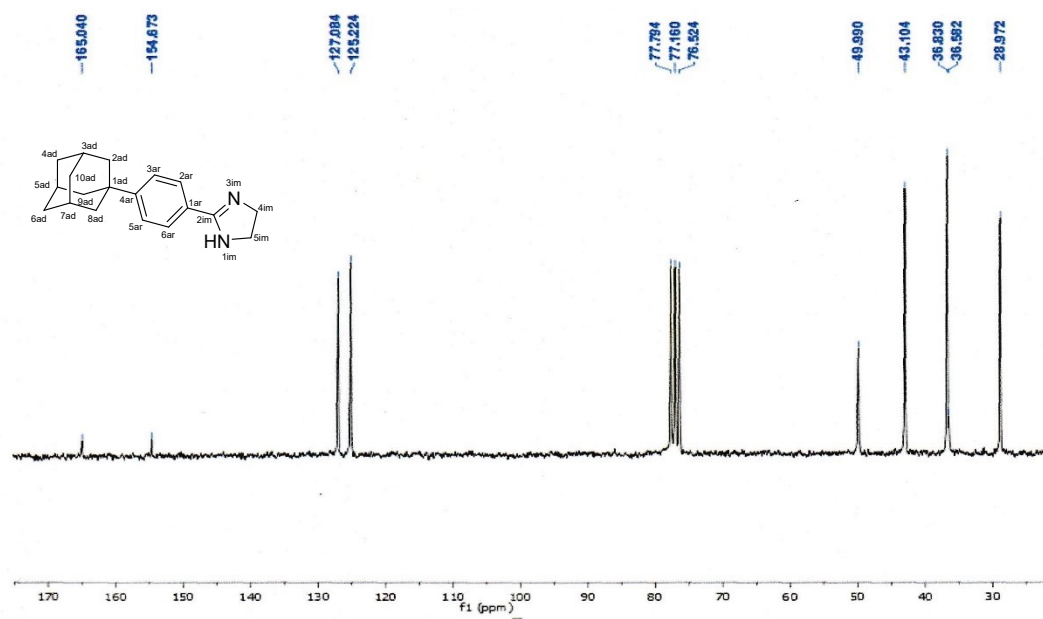
¹H NMR (DMSO-*d*₆) of 4,5-dihydro-1,2-dimethyl-5-[4-(1-tricyclo[3.3.1.1^{3,7}]decyl)phenyl]-1H-imidazole (1b).



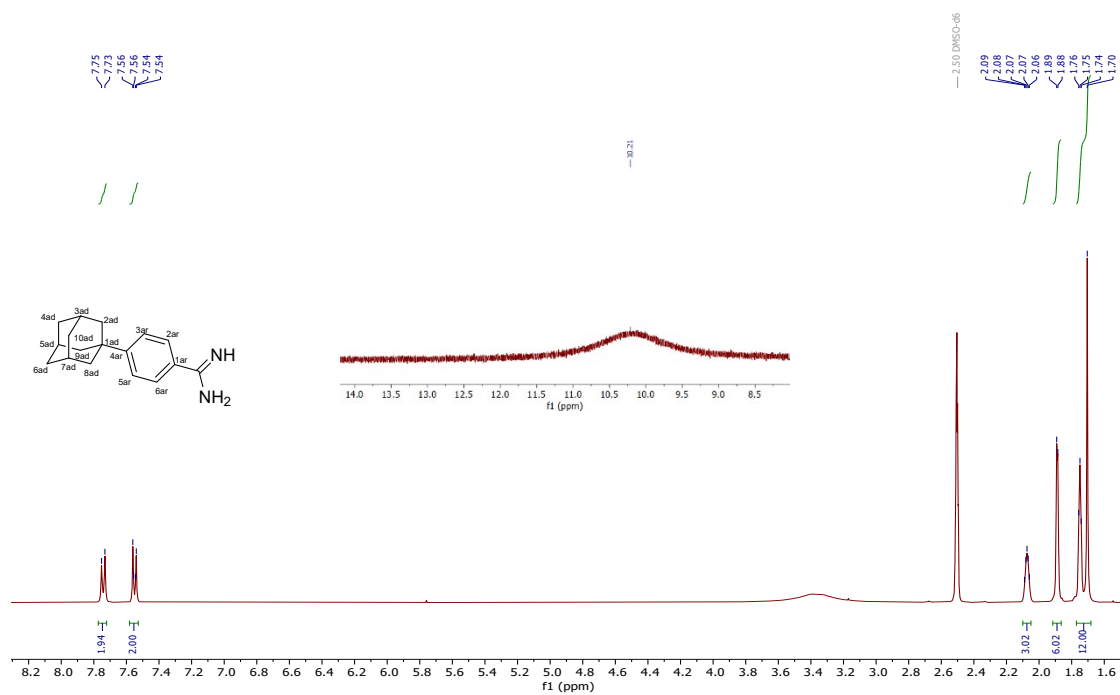
¹³C NMR (DMSO-*d*₆) of 4,5-dihydro-1,2-dimethyl-5-[4-(1-tricyclo[3.3.1.1^{3,7}]decyl)phenyl]-1H-imidazole (1b).



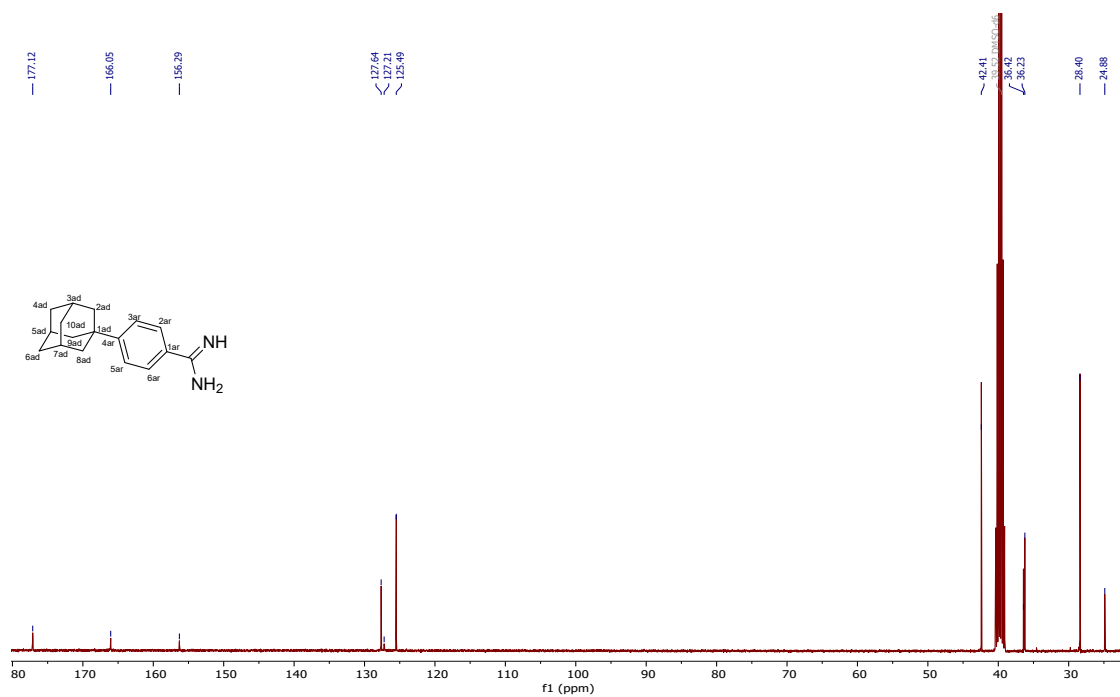
¹H NMR (CDCl₃) of 4,5-dihydro-2-[4-(1-tricyclo[3.3.1.1^{3.7}]decyl)phenyl]-1H-imidazole (1d).



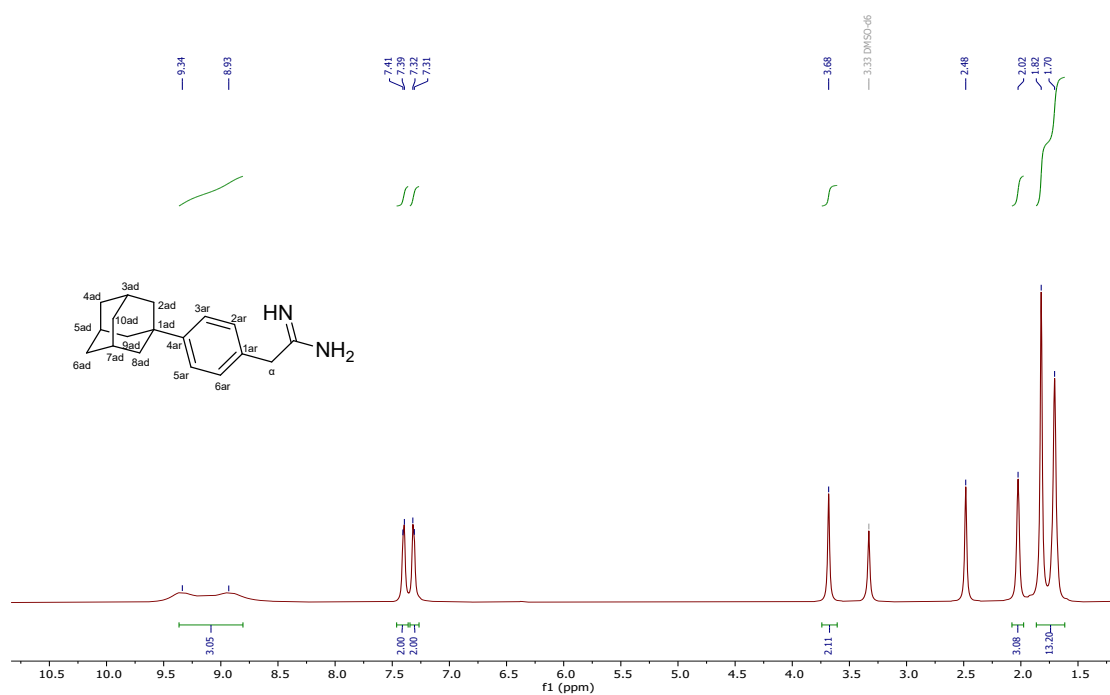
¹³C NMR (CDCl₃) of 4,5-dihydro-2-[4-(1-tricyclo[3.3.1.1^{3.7}]decyl)phenyl]-1H-imidazole (1d).



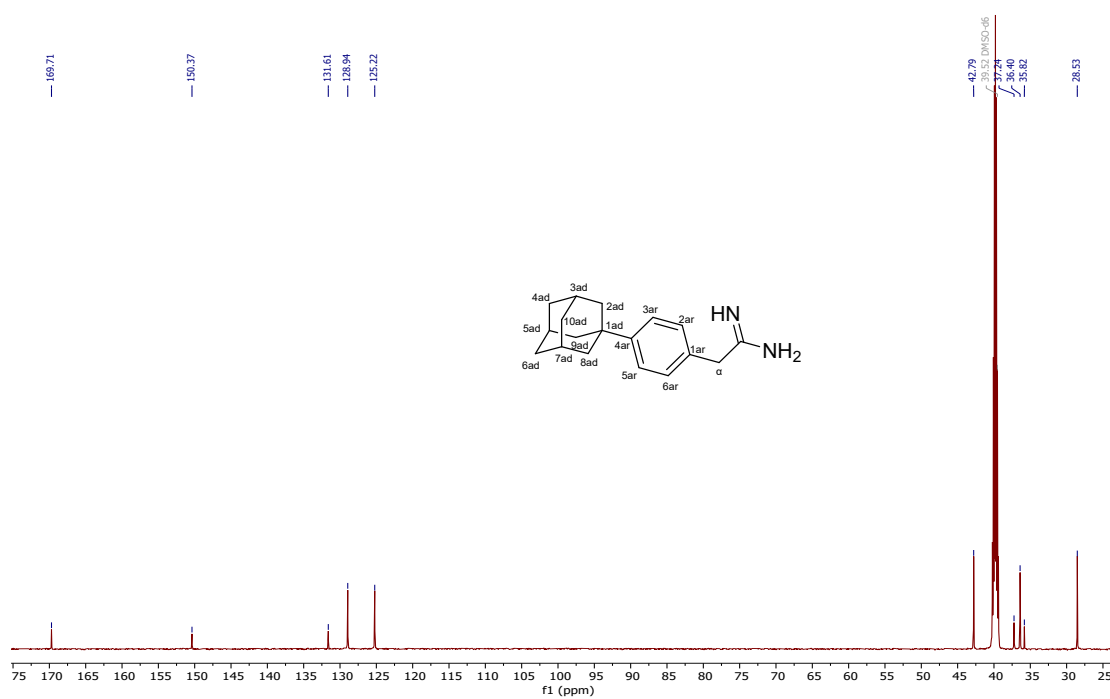
¹H NMR (400 MHz, DMSO-*d*₆) of 4-(tricyclo[3.3.1.1^{3,7}]dec-1-yl)benzimidamide diacetate (2a).



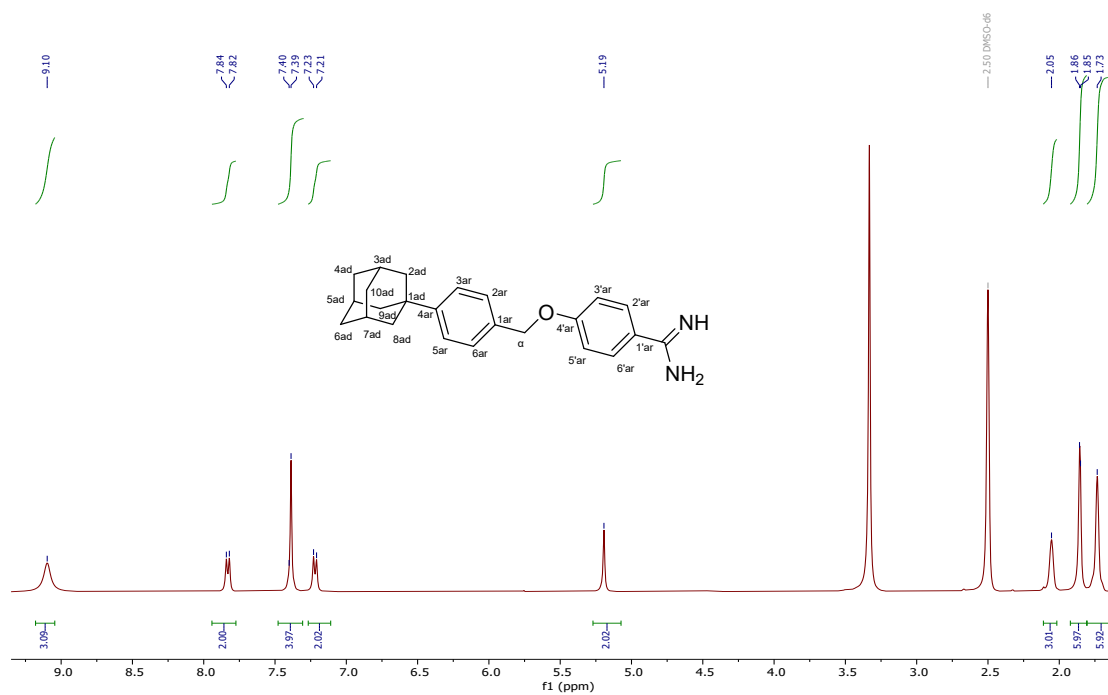
¹³C NMR (101 MHz, DMSO-*d*₆) of 4-(tricyclo[3.3.1.1^{3,7}]dec-1-yl)benzimidamide diacetate (2a).



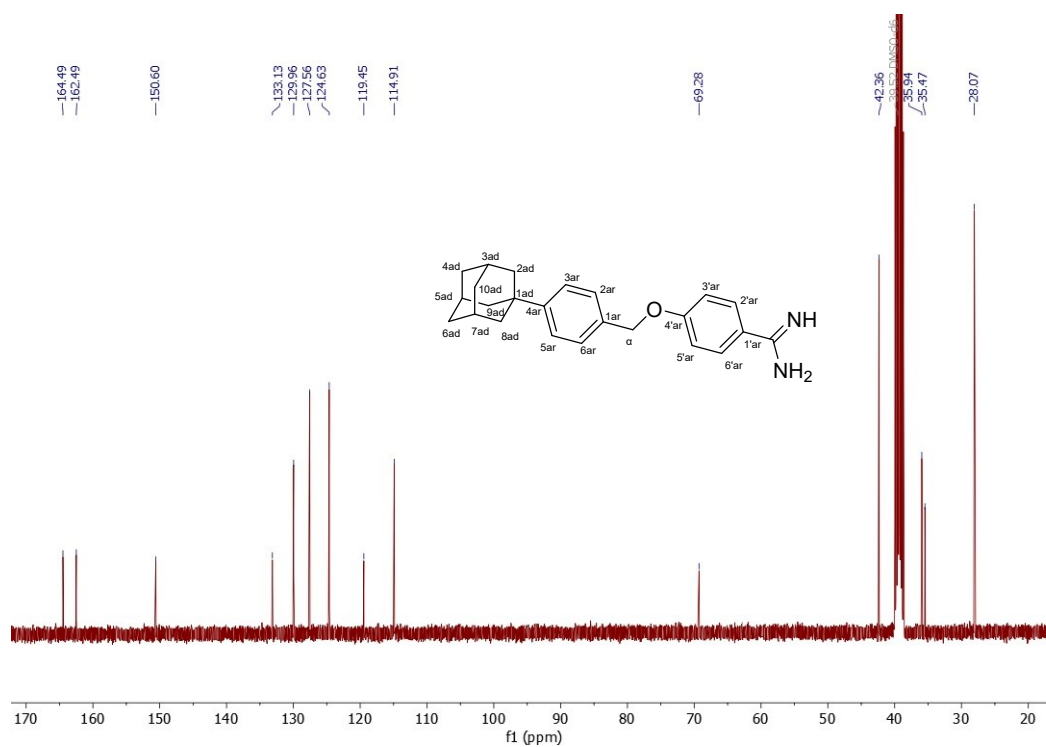
¹H NMR (600 MHz, DMSO-*d*₆) of 2-[4-(1-tricyclo[3.3.1.1^{3,7}]decyl)phenyl]acetimidamide (2b).



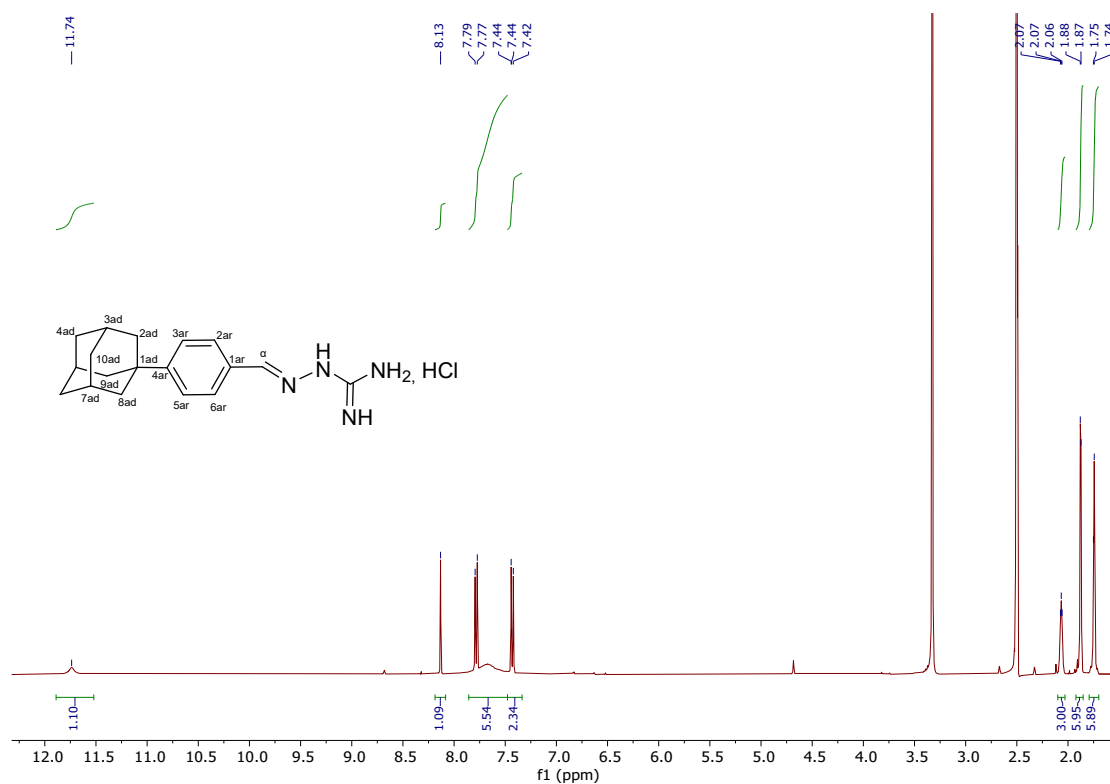
¹³C NMR (151 MHz, DMSO-*d*₆) of 2-[4-(1-tricyclo[3.3.1.1^{3,7}]decyl)phenyl]acetimidamide (2b).



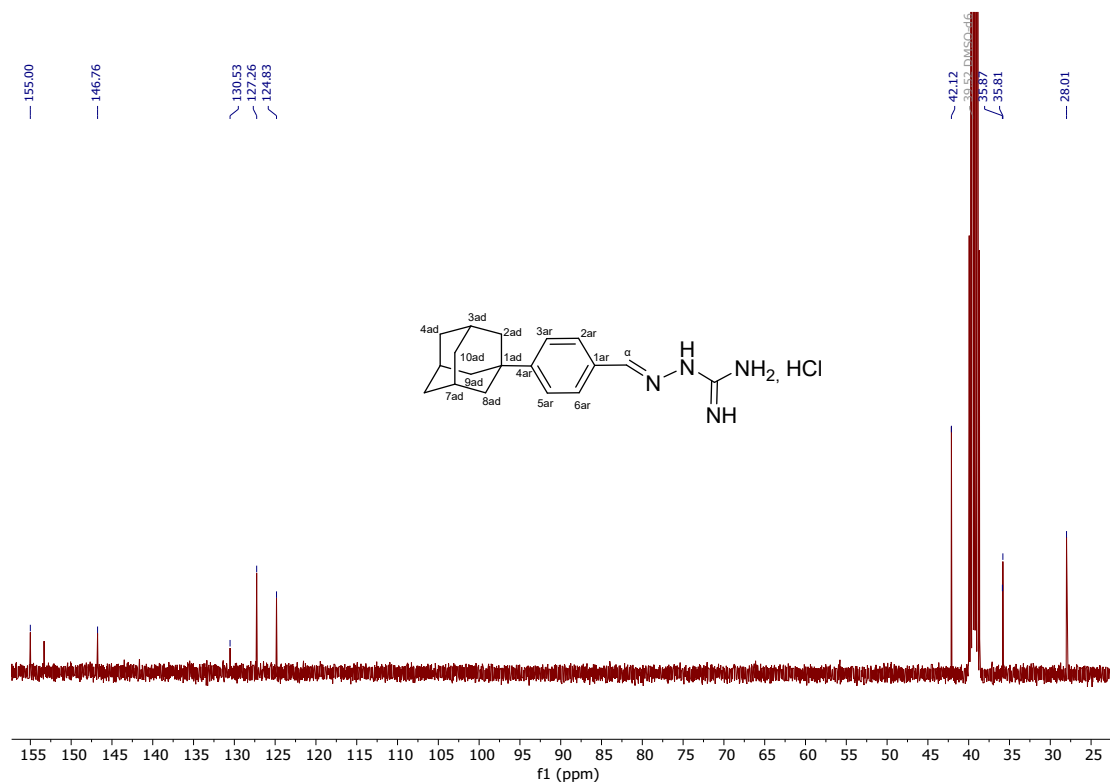
¹H NMR (400 MHz, DMSO-*d*₆) of 4-{{4-(1-tricyclo[3.3.1.1^{3,7}]decyl)benzyl}oxy}benzimidamide (3b).



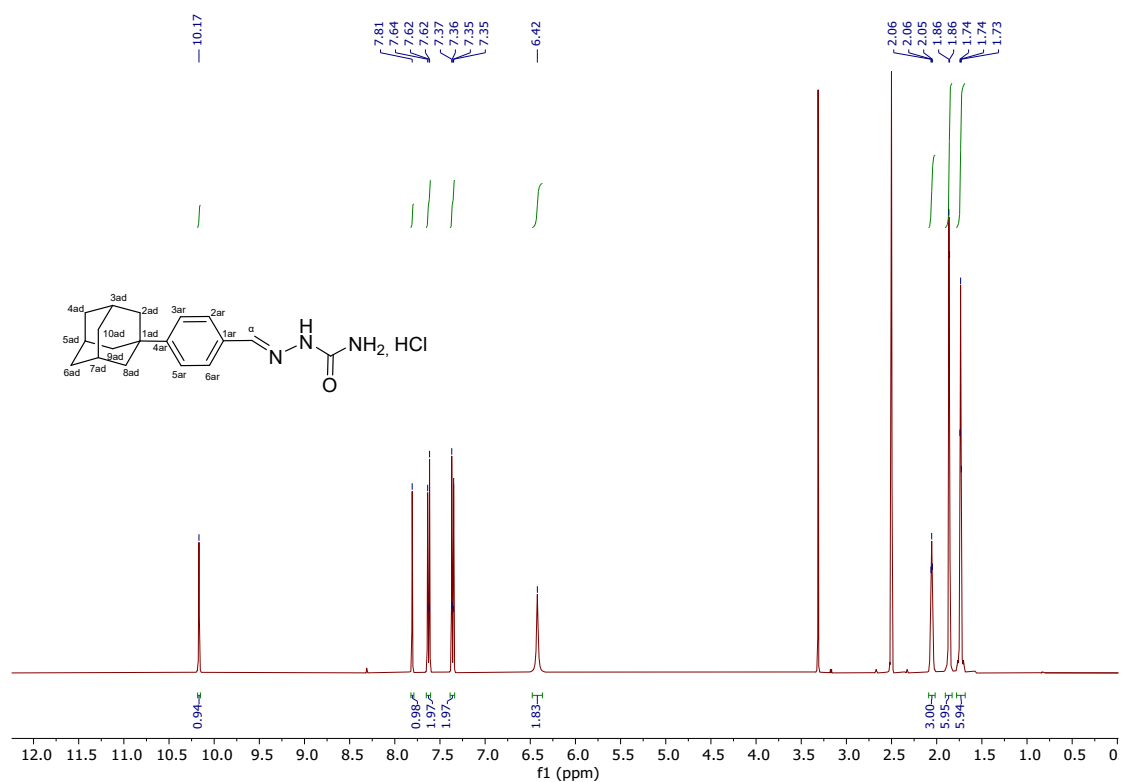
¹³C NMR (101 MHz, DMSO-*d*₆) of 4-{{4-(1-tricyclo[3.3.1.1^{3,7}]decyl)benzyl}oxy}benzimidamide (3b).



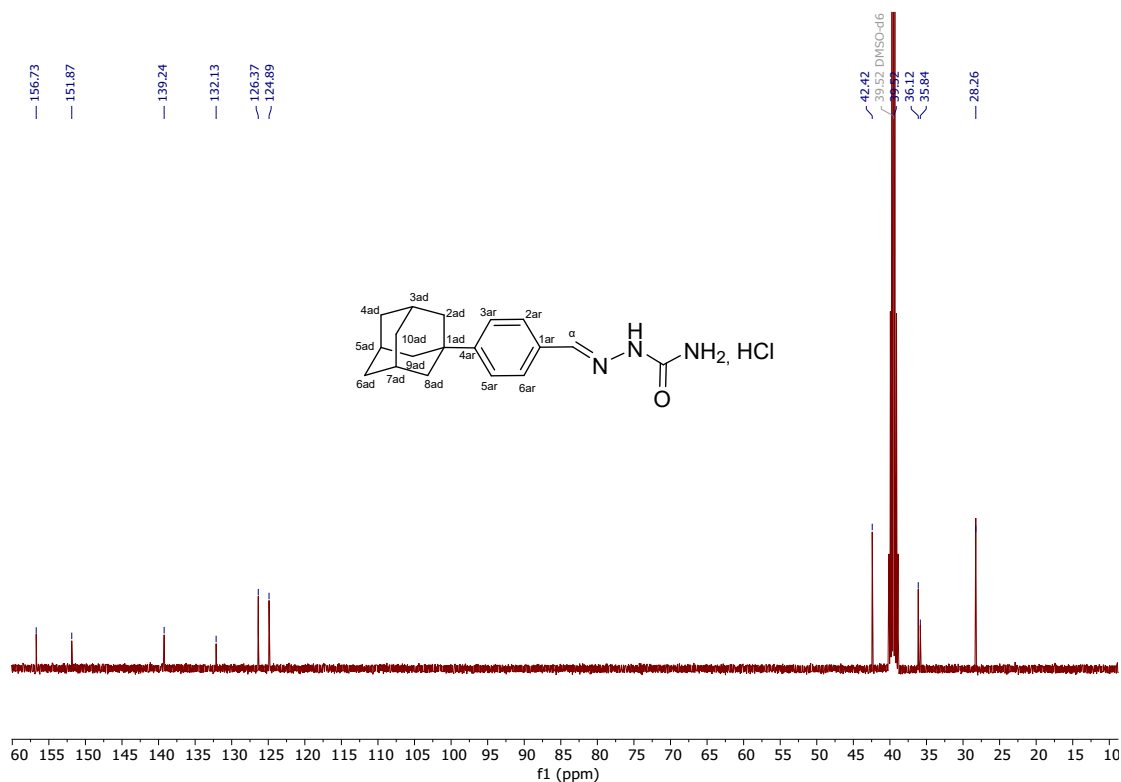
¹H NMR (400 MHz, DMSO-*d*₆) of 2-(*E*)-4-[(1-tricyclo[3.3.1.1^{3,7}]decyl)benzylidene]hydrazine-1-carboxyimide hydrochloride (4a).



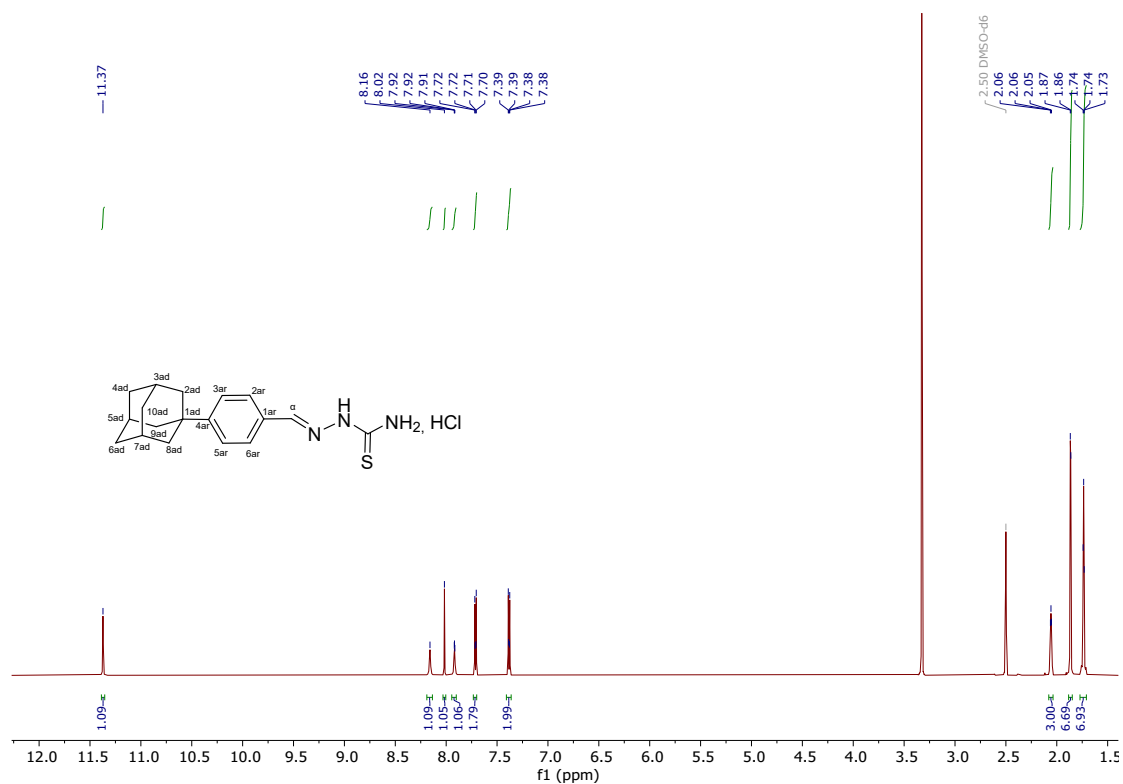
¹³C NMR (101 MHz, DMSO-*d*₆) of 2-(*E*)-4-[(1-tricyclo[3.3.1.1^{3,7}]decyl)benzylidene]hydrazine-1-carboxyimide hydrochloride (4a).



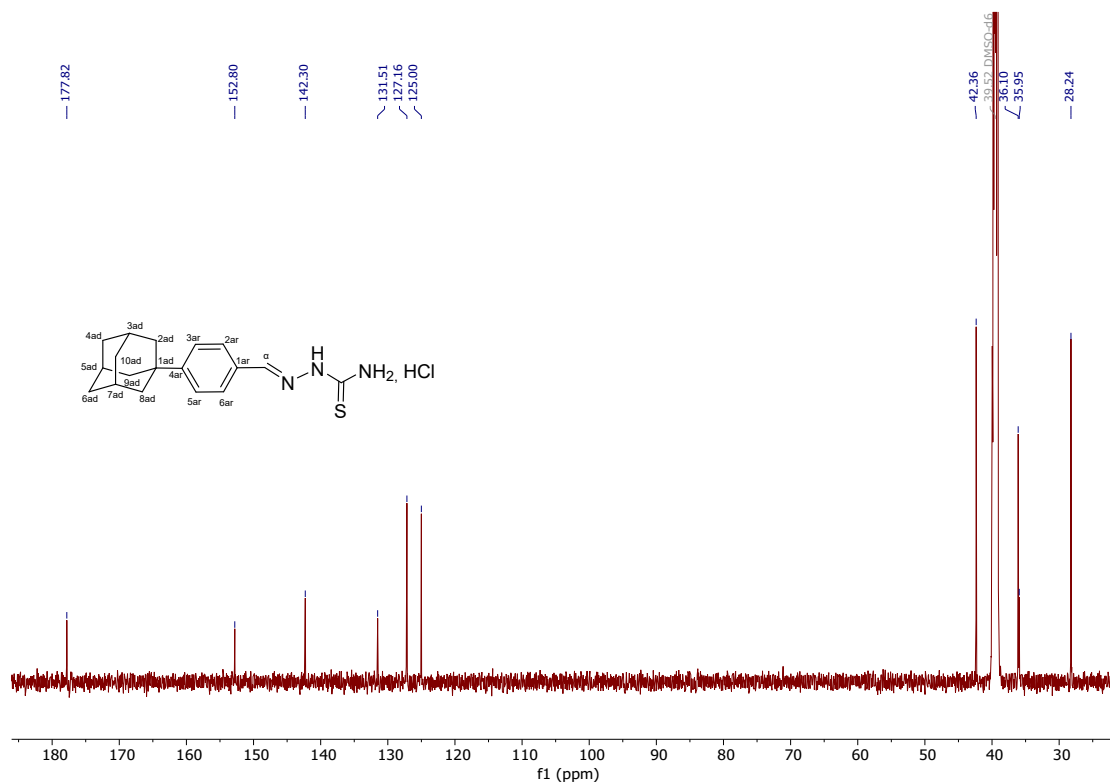
¹H NMR (400 MHz, DMSO-*d*₆) of 2-*(E)*-4-(1-(tricyclo[3.3.1.1^{3,7}]decyl))benzylidene}hydrazine-1-carboxamide hydrochloride (4b).



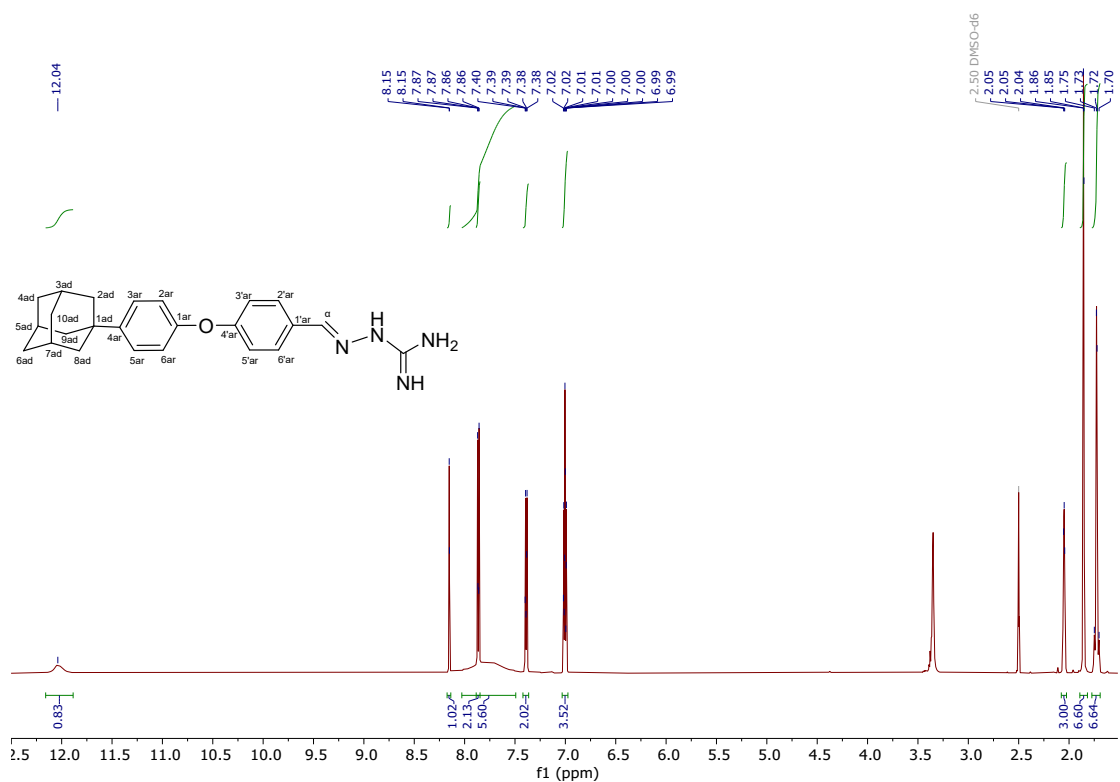
¹³C NMR (101 MHz, DMSO-*d*₆) of 2-*(E)*-4-(1-(tricyclo[3.3.1.1^{3,7}]decyl))benzylidene}hydrazine-1-carboxamide hydrochloride (4b).



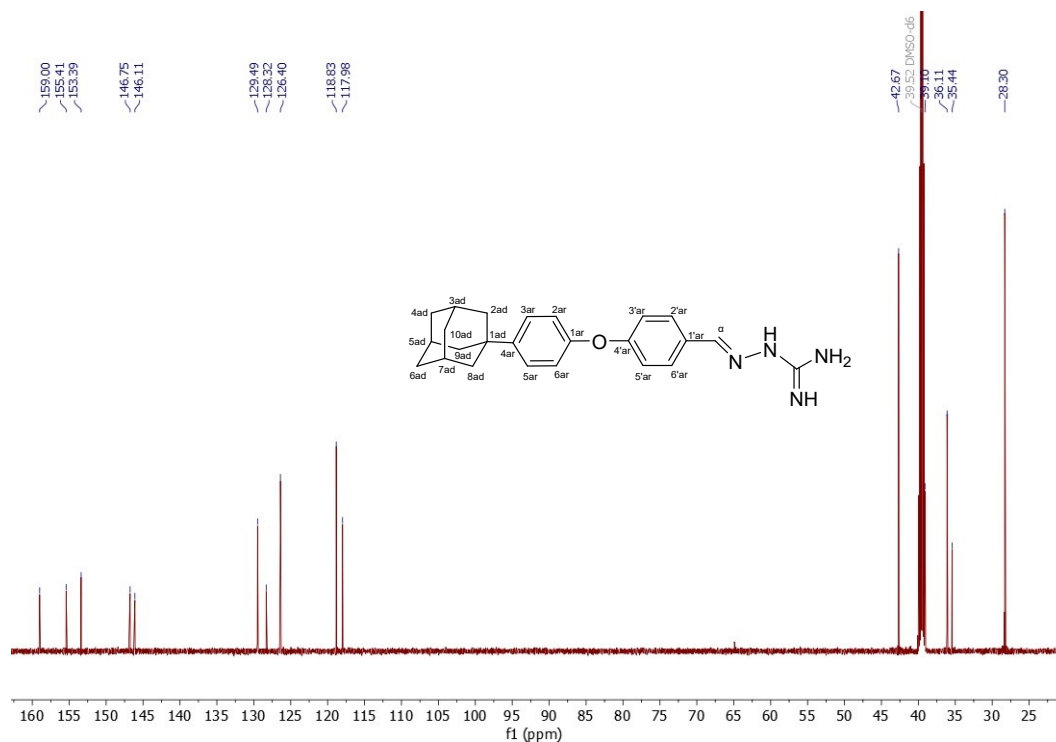
¹H NMR (600 MHz, DMSO-*d*₆) 2-(*E*)-4-[(1-tricyclo[3.3.1.1^{3,7}]decyl)benzylidene]hydrazine-1-carbothiamide hydrochloride (4c).



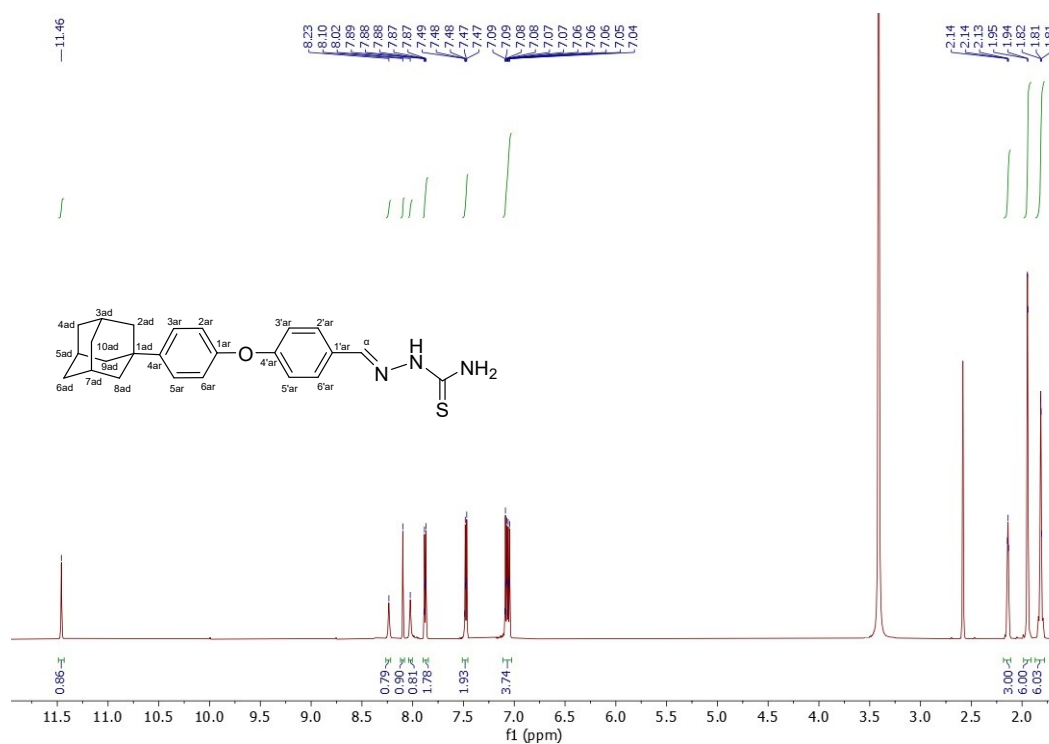
¹³C NMR (151 MHz, DMSO-*d*₆) of 2-(*E*)-4-[(1-tricyclo[3.3.1.1^{3,7}]decyl)benzylidene]hydrazine-1-carbothiamide hydrochloride (4c).



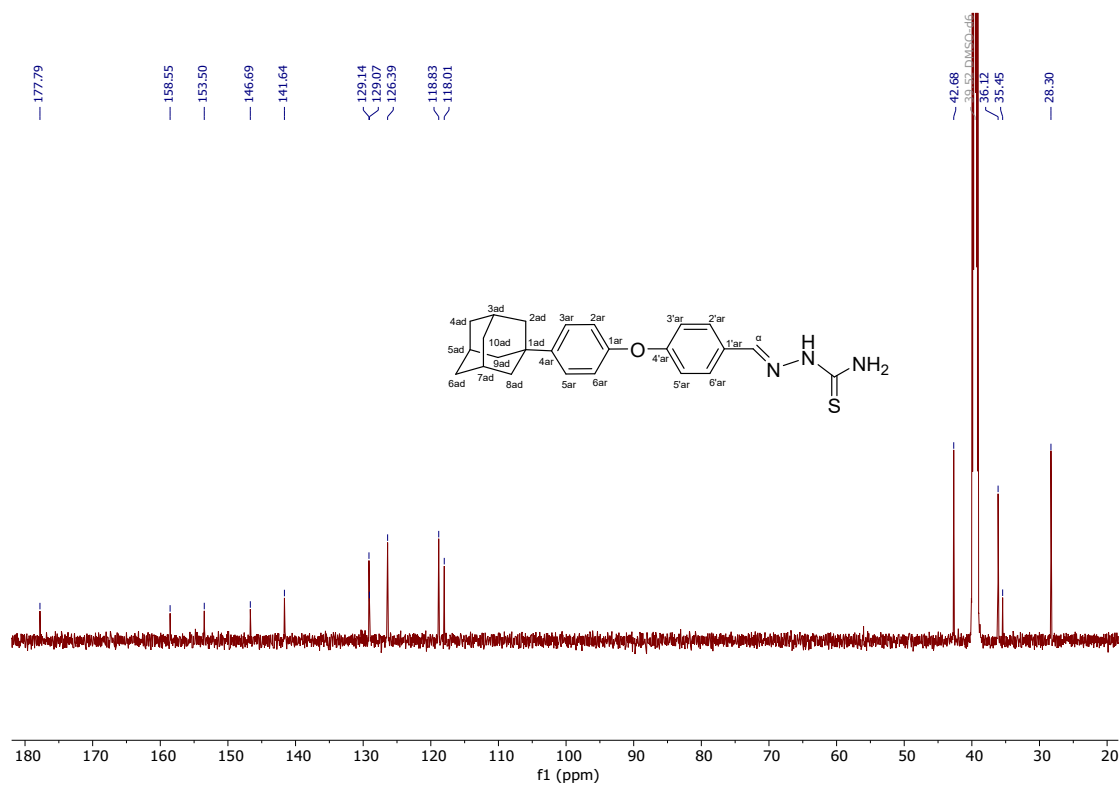
¹H NMR (600 MHz, DMSO-*d*₆) of 2-((*E*)-4-[4-(1-tricyclo[3.3.1.1^{3,7}]decyl)phenoxy]benzylidene}hydrazine-1-carboxyimidamide hydrochloride (5a).



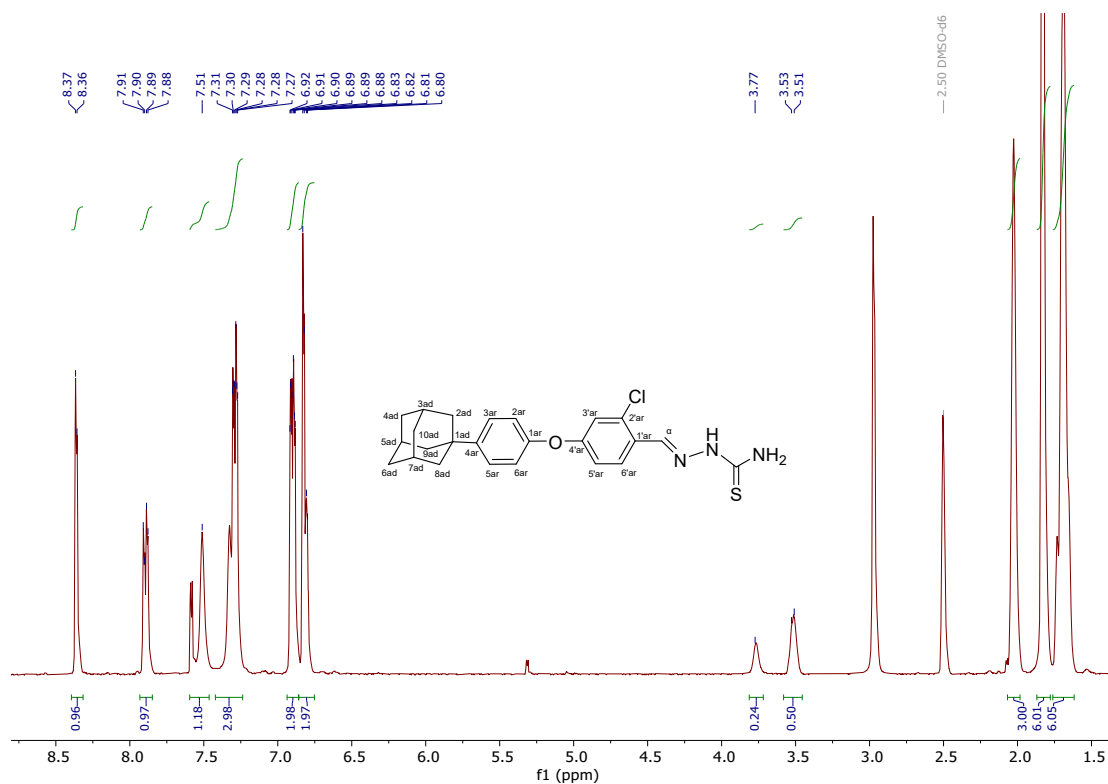
¹³C NMR (151 MHz, DMSO-*d*₆) of 2-((*E*)-4-[4-(1-tricyclo[3.3.1.1^{3,7}]decyl)phenoxy]benzylidene}hydrazine-1-carboxyimidamide hydrochloride (5a).



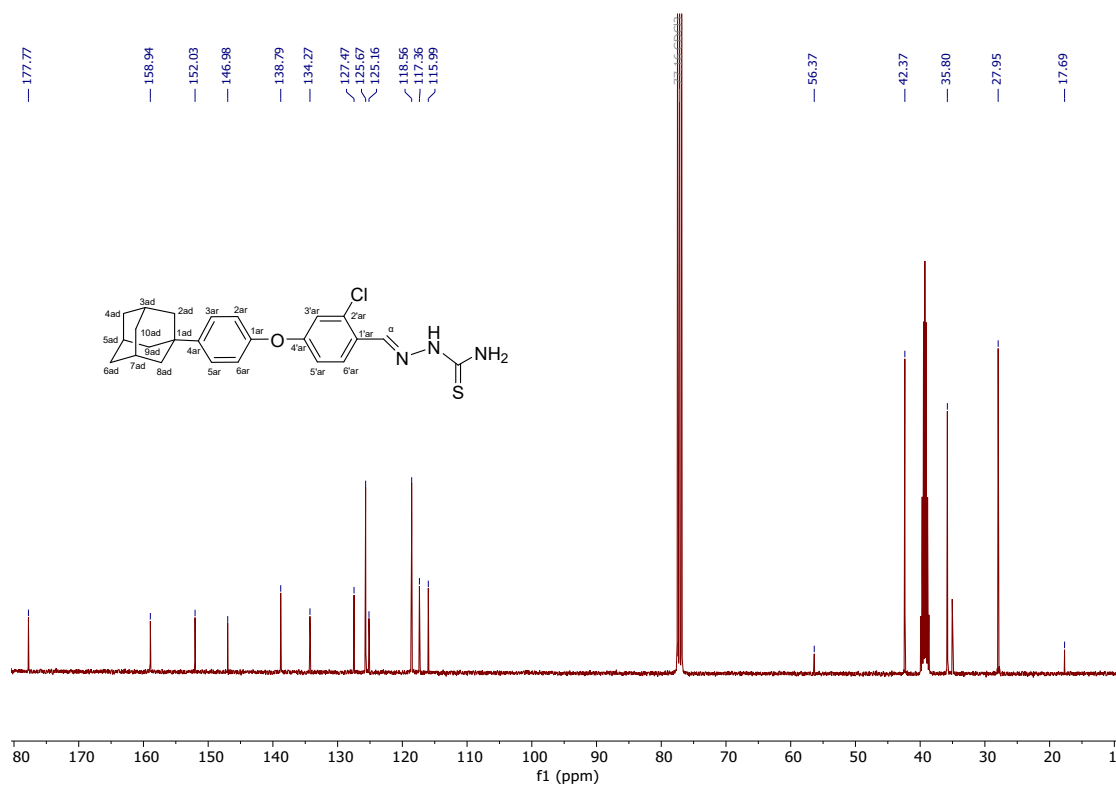
¹H NMR (600 MHz, DMSO-*d*₆) of 2-{(*E*)-4-[4-(1-tricyclo[3.3.1.1^{3,7}]decyl)phenoxy]benzylidene}hydrazine-1-carbothioamide hydrochloride (6a).



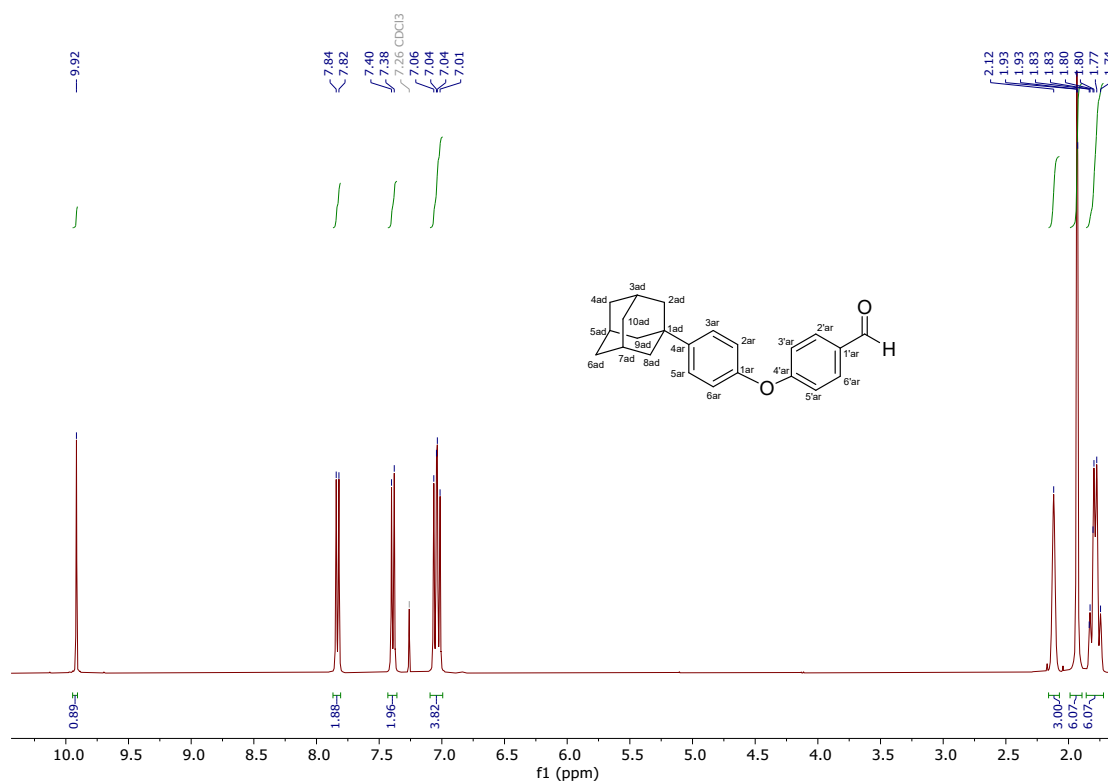
¹³C NMR (151 MHz, DMSO-*d*₆) of 2-{(*E*)-4-[4-(1-tricyclo[3.3.1.1^{3,7}]decyl)phenoxy]benzylidene}hydrazine-1-carbothioamide hydrochloride (6a).



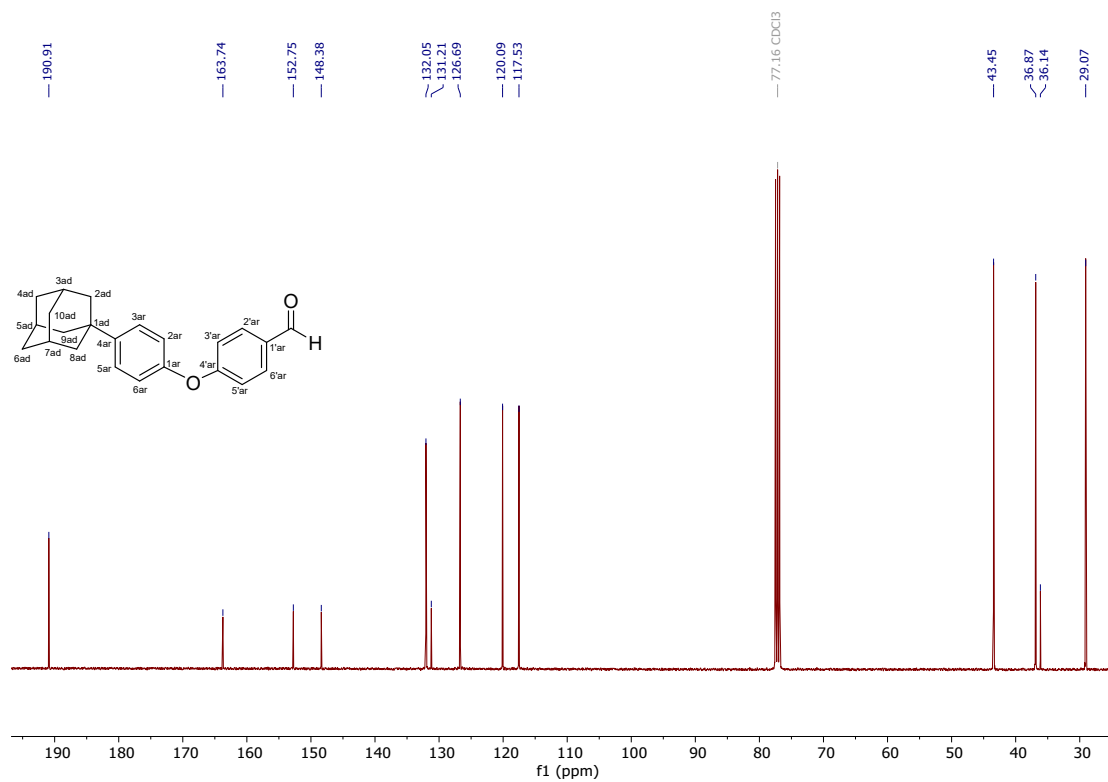
¹H NMR (400 MHz, DMSO-*d*₆) of 2-((*E*)-4-(4-(1-tricyclo[3.3.1.1^{3,7}]decyl)phenoxy)-2-chlorobenzylidene)hydrazine-1-carbothioamide hydrochloride (6b).



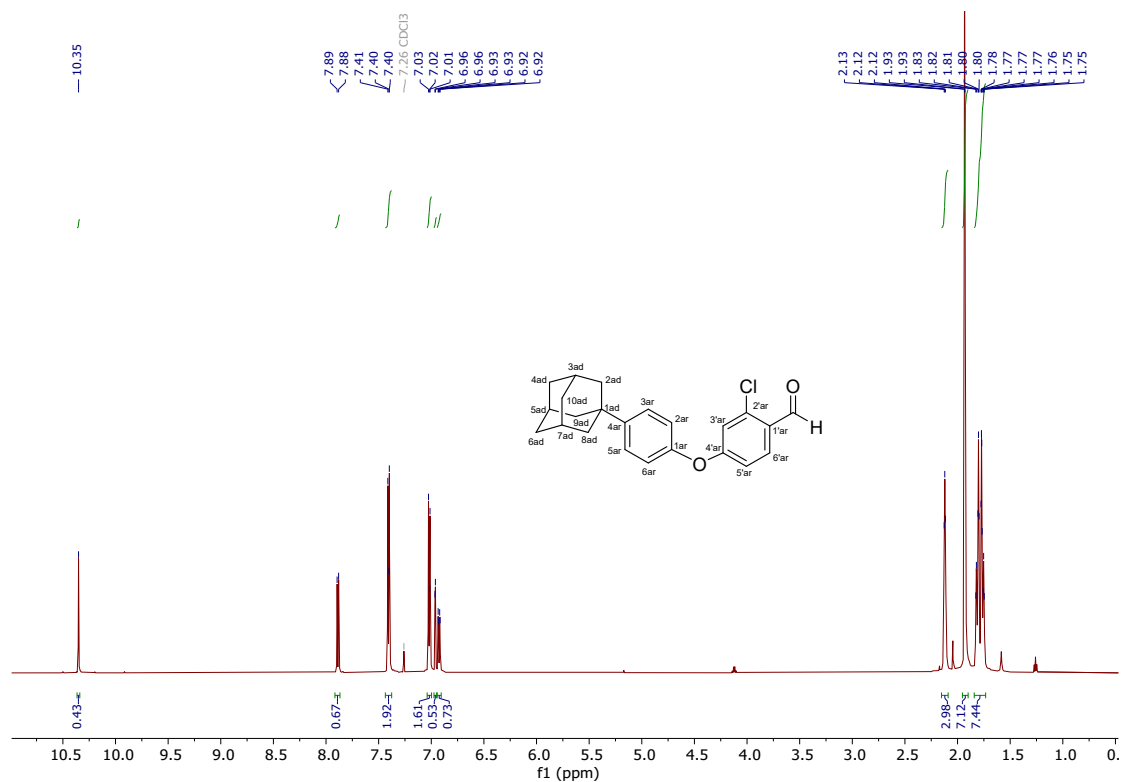
¹³C NMR (101 MHz, DMSO-*d*₆) of 2-((*E*)-4-(4-(1-tricyclo[3.3.1.1^{3,7}]decyl)phenoxy)-2-chlorobenzylidene)hydrazine-1-carbothioamide hydrochloride (6b).



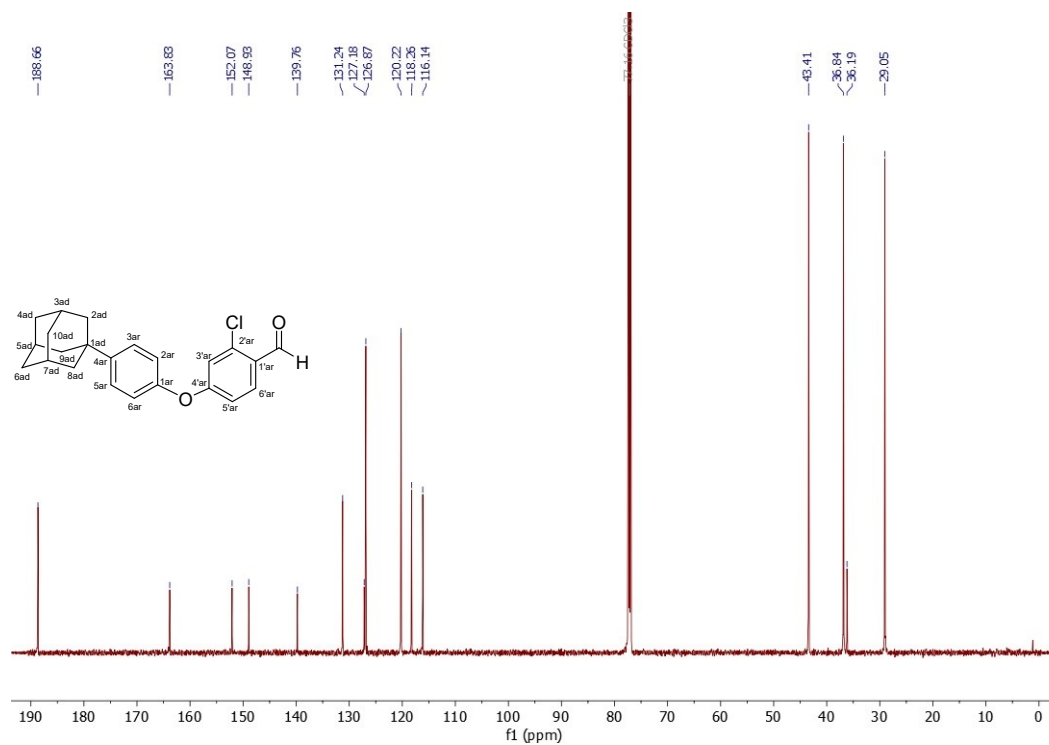
¹H NMR (400 MHz, CDCl₃) of 4-[4-(1-tricyclo[3.3.1.1^{3,7}]decyl)phenoxy]benzaldehyde (21).



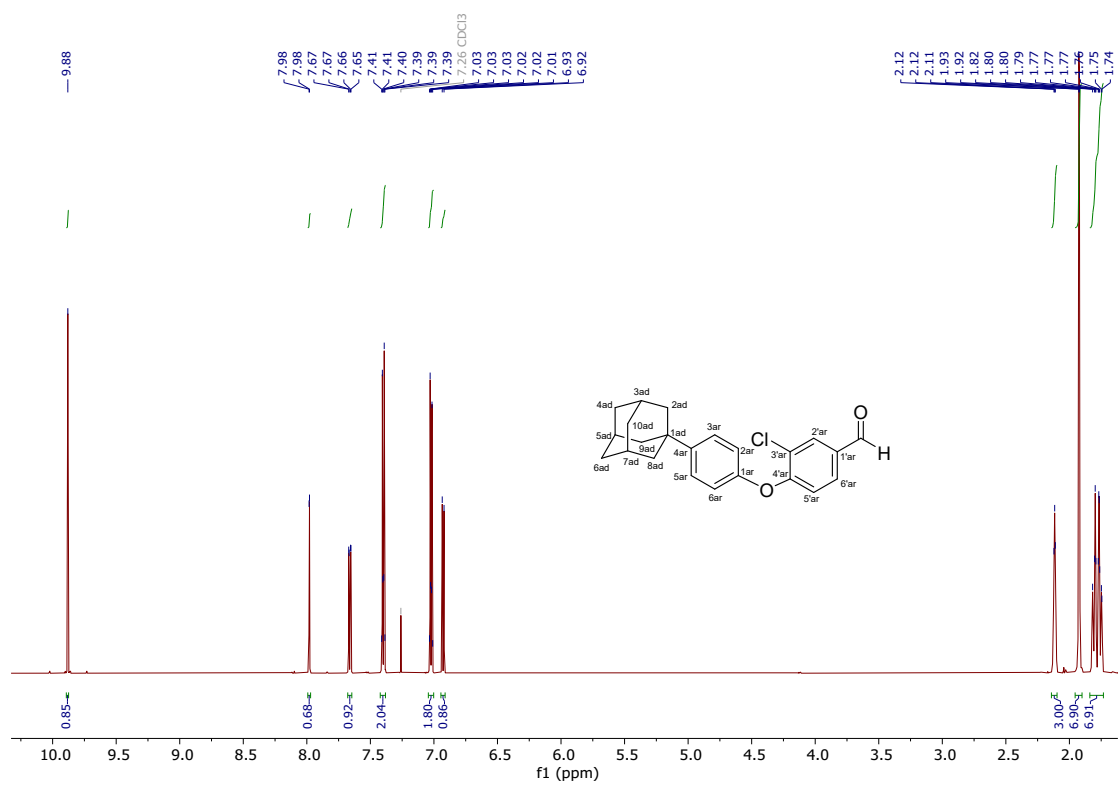
¹³C NMR (101 MHz, CDCl₃) of 4-[4-(1-tricyclo[3.3.1.1^{3,7}]decyl)phenoxy]benzaldehyde (21).



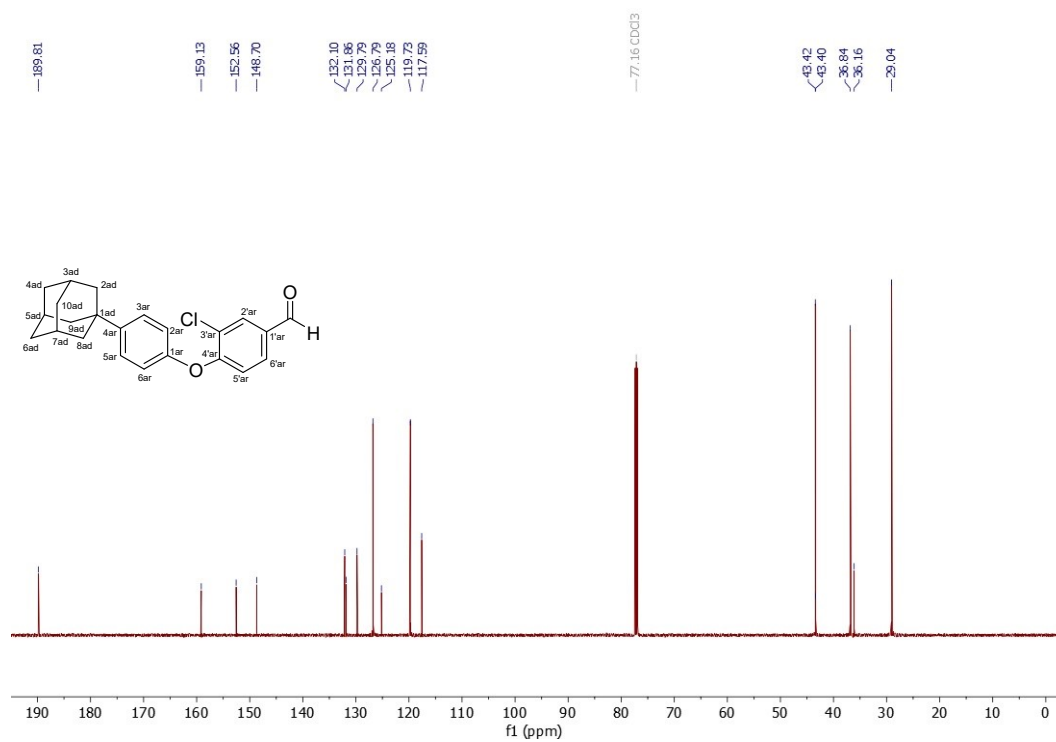
¹H NMR (600 MHz, DMSO-*d*₆) of 4-[4-(1-tricyclo[3.3.1.1^{3,7}]decyl)phenoxy]-2-chlorobenzaldehyde (22).



¹³C NMR (151 MHz, DMSO-*d*₆) of 4-[4-(1-tricyclo[3.3.1.1^{3,7}]decyl)phenoxy]-2-chlorobenzaldehyde (22).



¹H NMR (600 MHz, CDCl₃) of 4-[4-(1-tricyclo[3.3.1.1^{3,7}]decyl)phenoxy]-3-chlorobenzaldehyde (23).



¹³C NMR (151 MHz, CDCl₃) of 4-[4-(1-tricyclo[3.3.1.1^{3,7}]decyl)phenoxy]-3-chlorobenzaldehyde (23).