Supplementary Material: Synthesis, Antifungal Evaluation and *In Silico* Study of *N*-(4-Halobenzyl)amides

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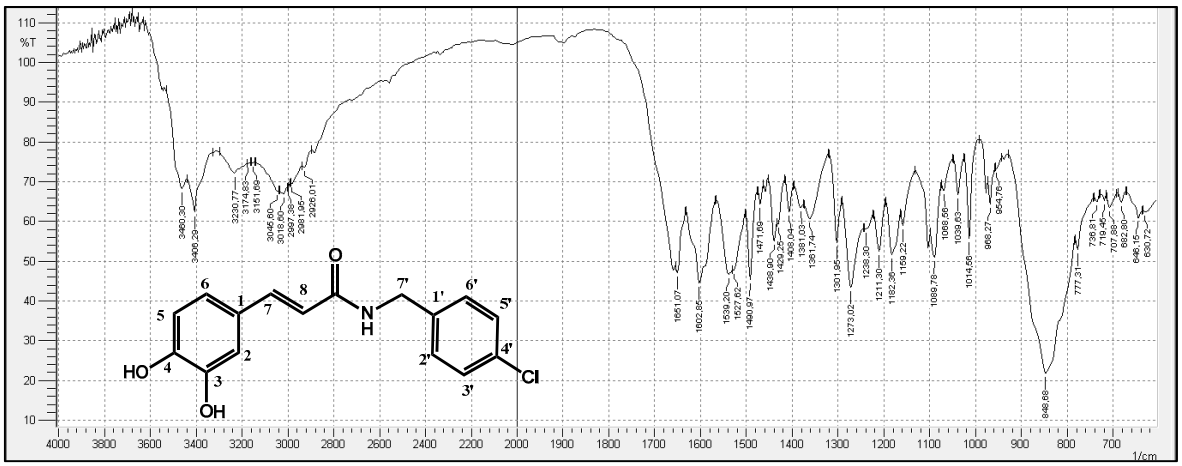

Figure S1. Infrared spectrum (KBr, cm^{-1}) of (*E*)-*N*-(4-chlorobenzyl)-3-(3,4-dihydroxyphenyl)acrylamide (**2**).

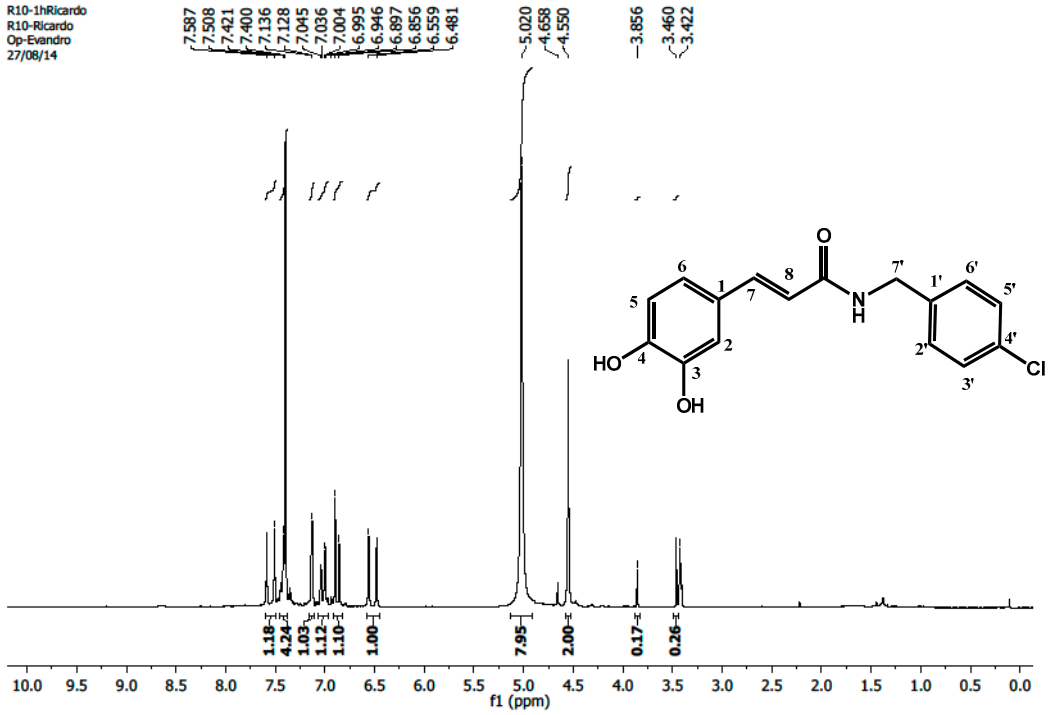

Figure S2. ^{1}H-NMR spectrum of (*E*)-*N*-(4-chlorobenzyl)-3-(3,4-dihydroxyphenyl)acrylamide (MeOD, 200 MHz).

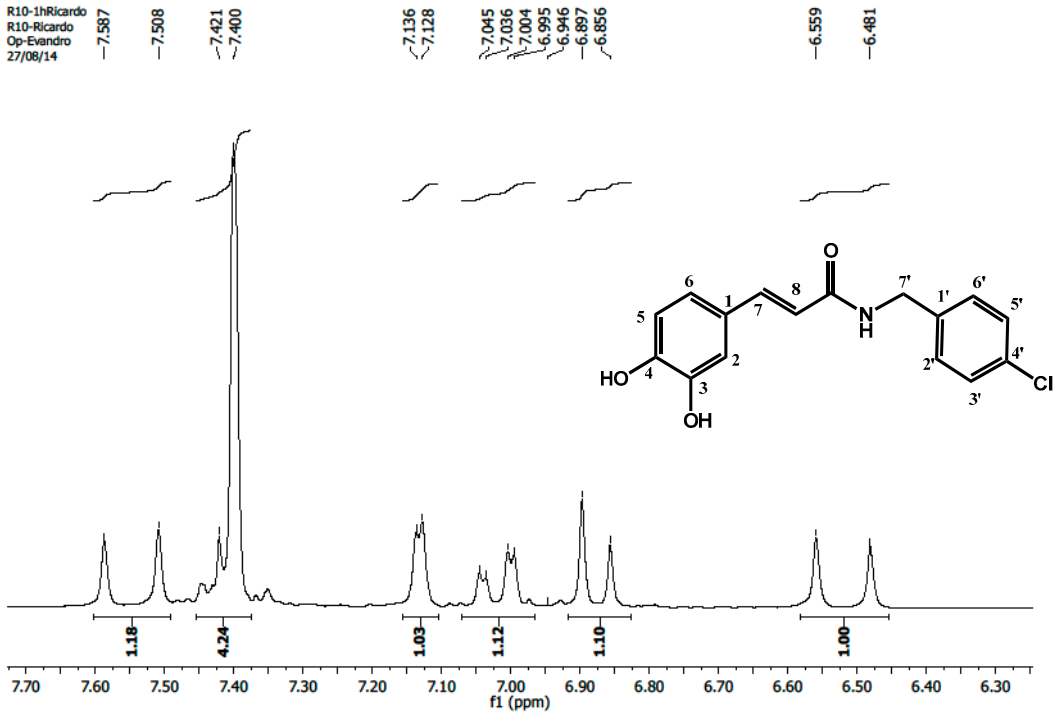

Figure S3. Expansion of the ^{1}H-NMR spectrum of (*E*)-*N*-(4-chlorobenzyl)-3-(3,4-dihydroxyphenyl) acrylamide (**2**) (MeOD, 200 MHz).

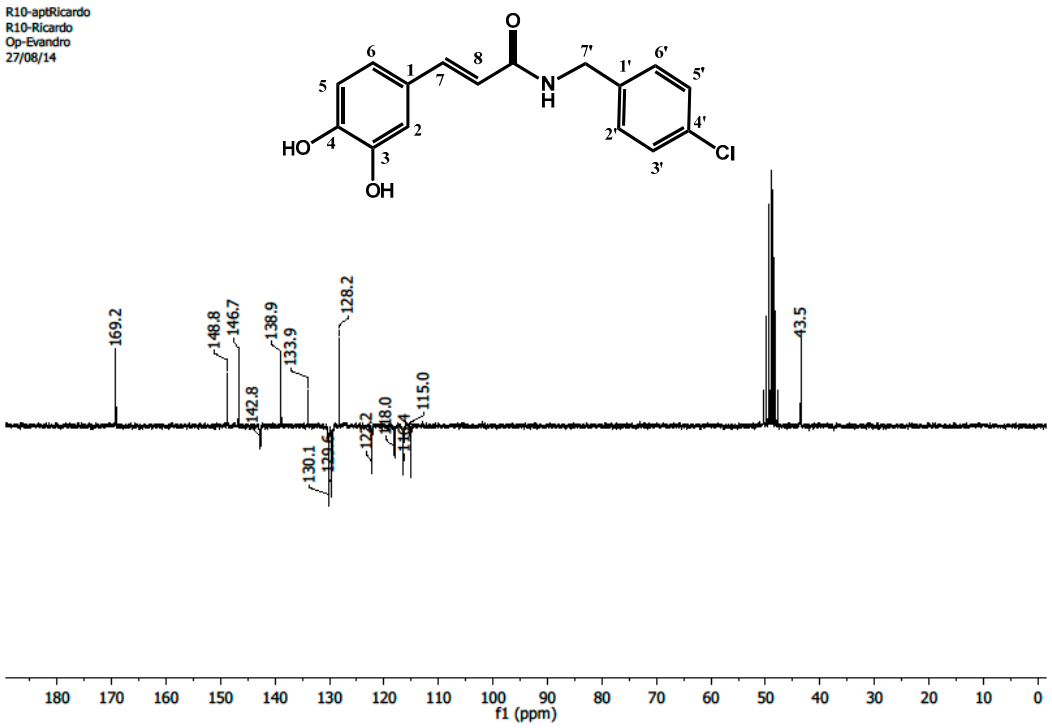

Figure S4. ^{13}C-APT NMR spectrum of (*E*)-*N*-(4-chlorobenzyl)-3-(3,4-dihydroxyphenyl)acrylamide (**2**) (MeOD, 50 MHz).

Figure S5. Expansion of the ^{13}C-APT NMR spectrum of (*E*)-*N*-(4-chlorobenzyl)-3-(3,4-dihydroxyphenyl) acrylamide (**2**) (MeOD, 50 MHz).

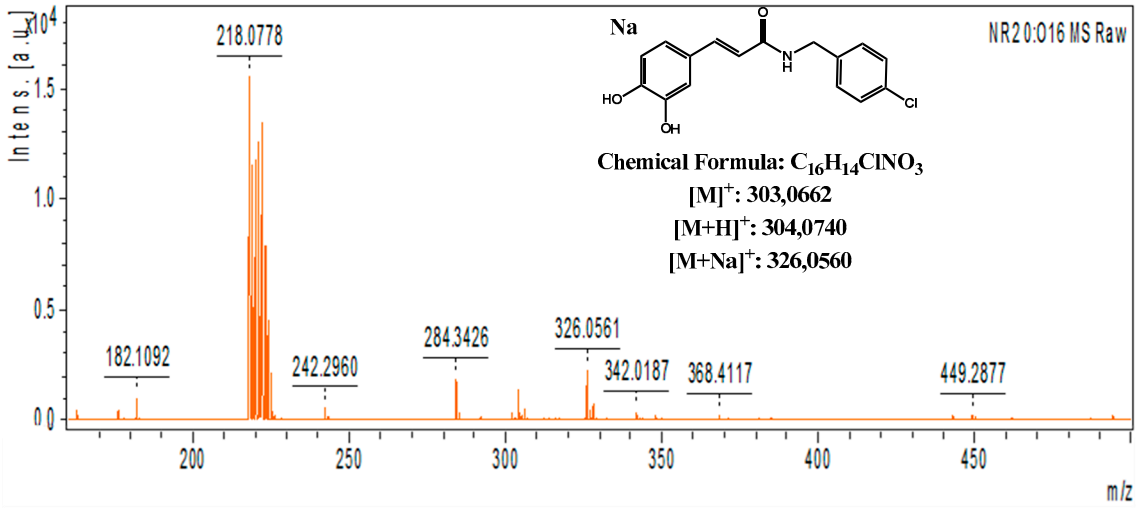

Figure S6. High resolution mass spectrum—MALDI of (*E*)-*N*-(4-chlorobenzyl)-3-(3,4-dihydroxyphenyl) acrylamide (**2**).

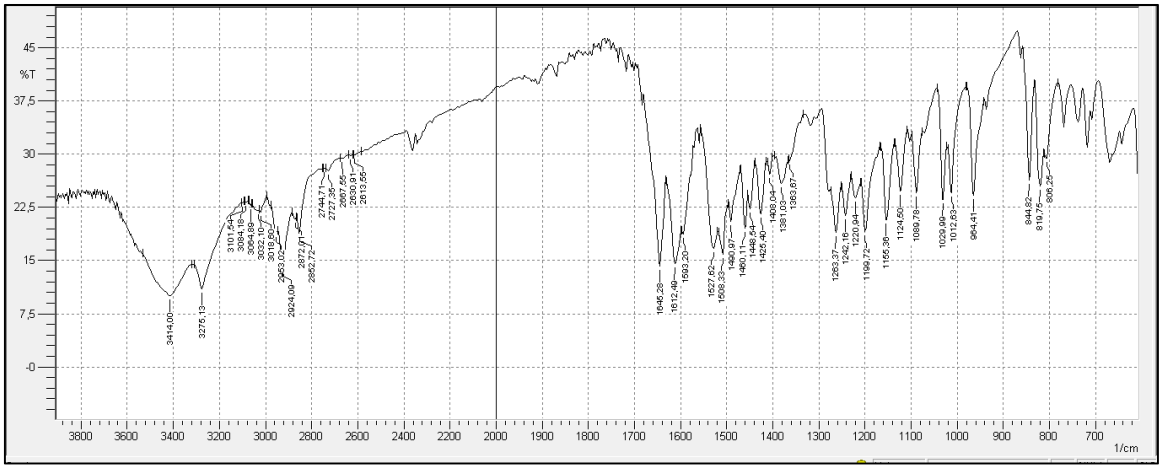

Figure S7. Infrared spectrum (KBr, cm^{-1}) of (*E*)-*N*-(4-chlorobenzyl)-3-(4-hydroxy-3-methoxyphenyl) acrylamide (**3**).

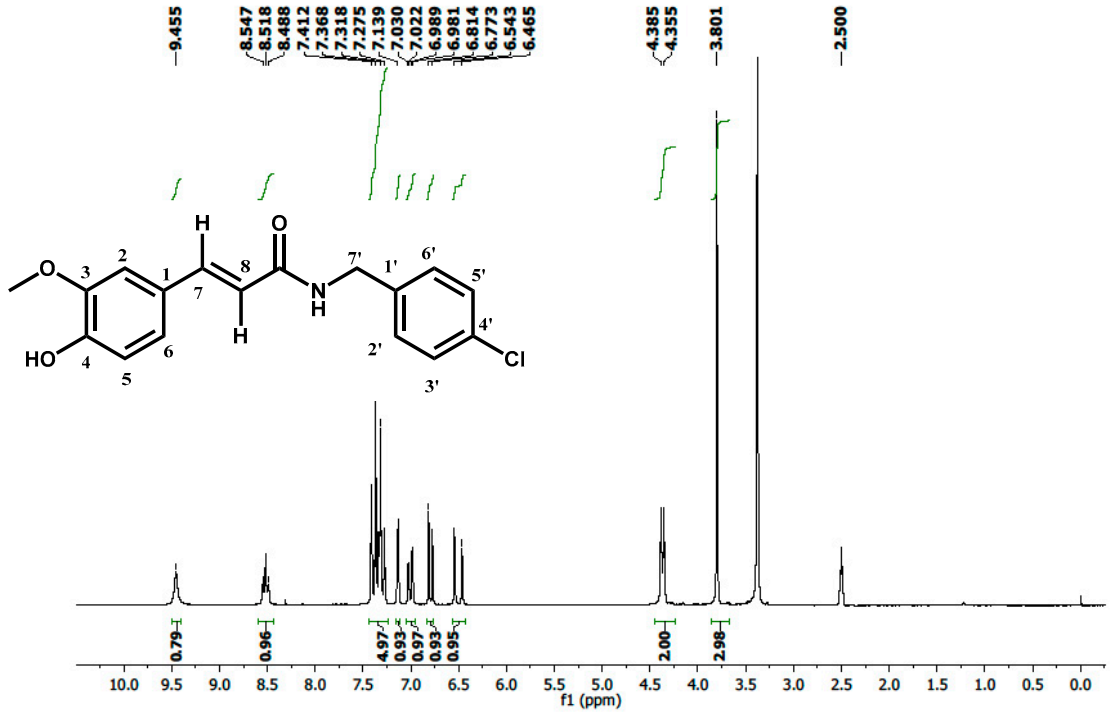

Figure S8. ^{1}H-NMR spectrum of (*E*)-*N*-(4-chlorobenzyl)-3-(4-hydroxy-3-methoxyphenyl)acrylamide (**3**) (DMSO-d_6, 200 MHz).

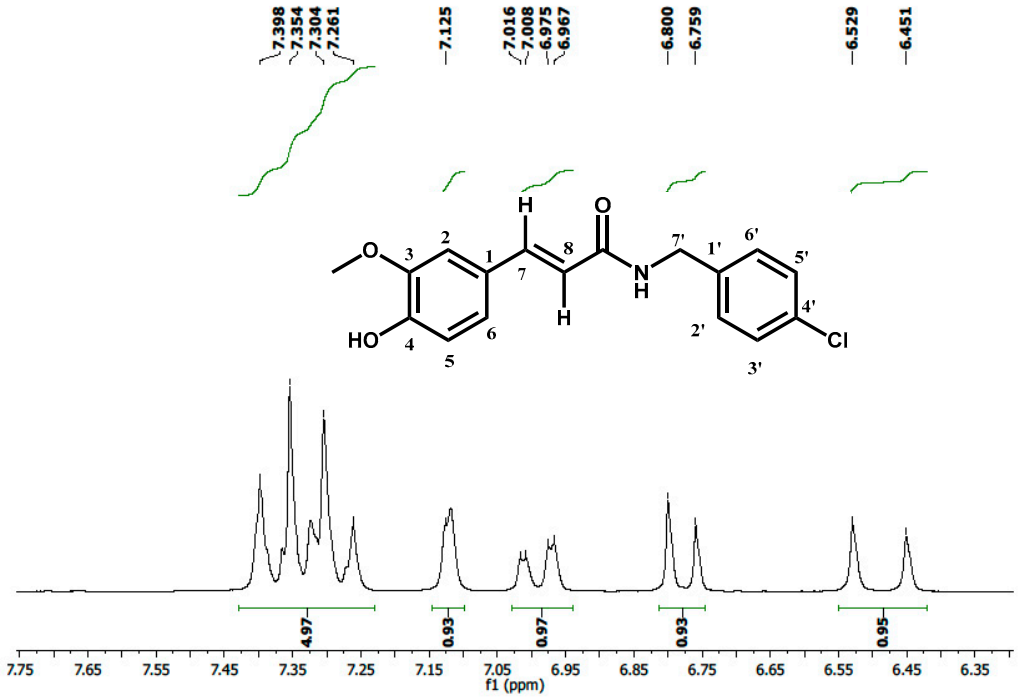

Figure S9. Expansion of the ^{1}H-NMR spectrum of (*E*)-*N*-(4-chlorobenzyl)-3-(4-hydroxy-3-methoxyphenyl)acrylamide (**3**) (DMSO-d_6, 200 MHz).

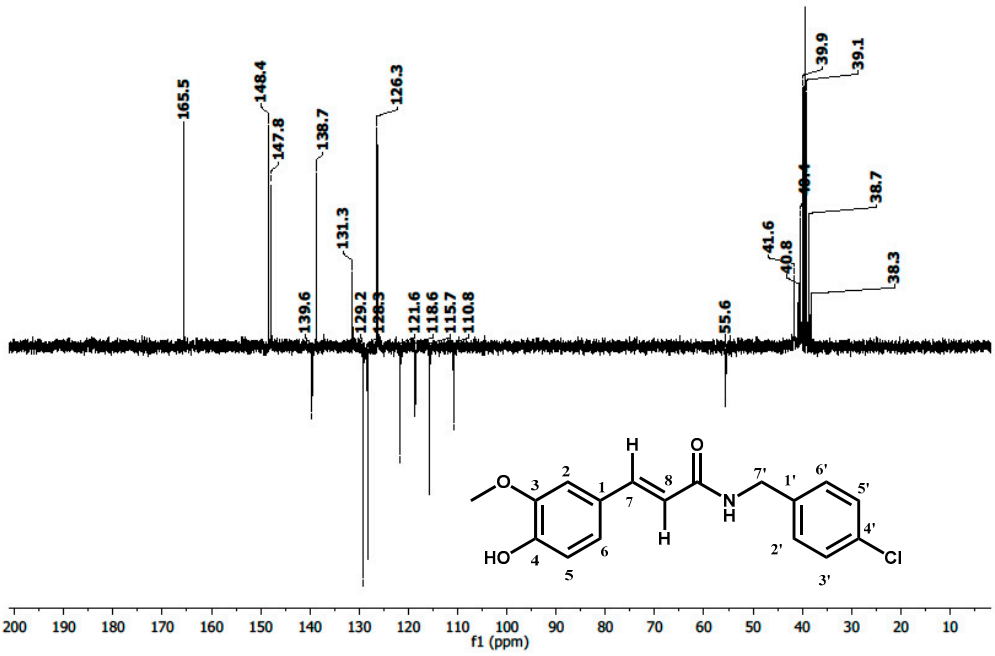

Figure S10. ^{13}C-APT NMR spectrum of (*E*)-*N*-(4-chlorobenzyl)-3-(4-hydroxy-3-methoxyphenyl) acrylamide (**3**) (DMSO-d_6, 50 MHz).

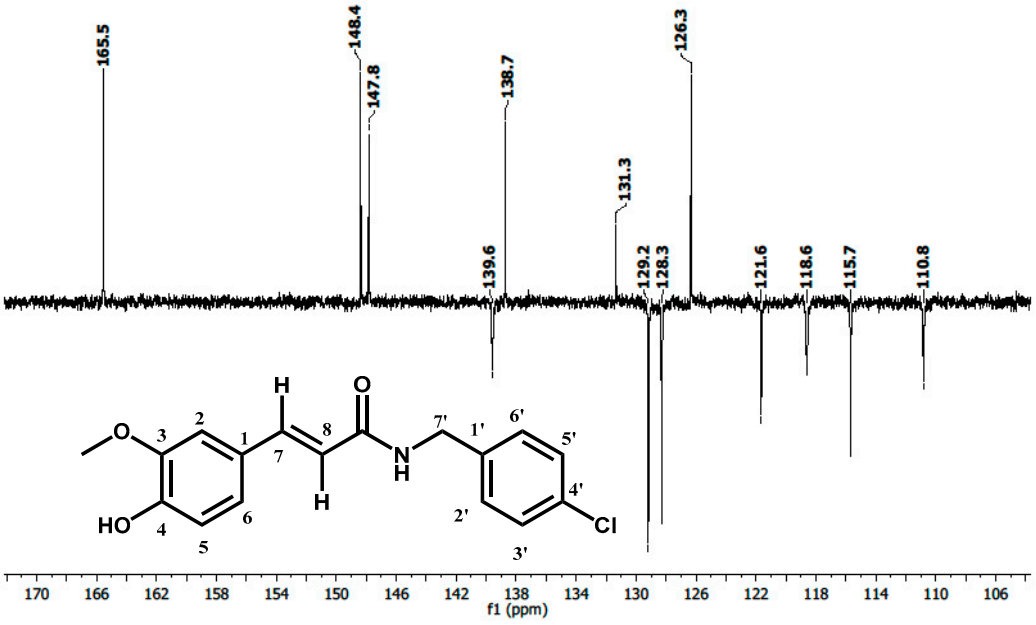

Figure S11. Expansion of the ^{13}C-APT NMR spectrum of (*E*)-*N*-(4-chlorobenzyl)-3-(4-hydroxy-3-methoxyphenyl)acrylamide (**3**) (DMSO-d_6, 50 MHz).

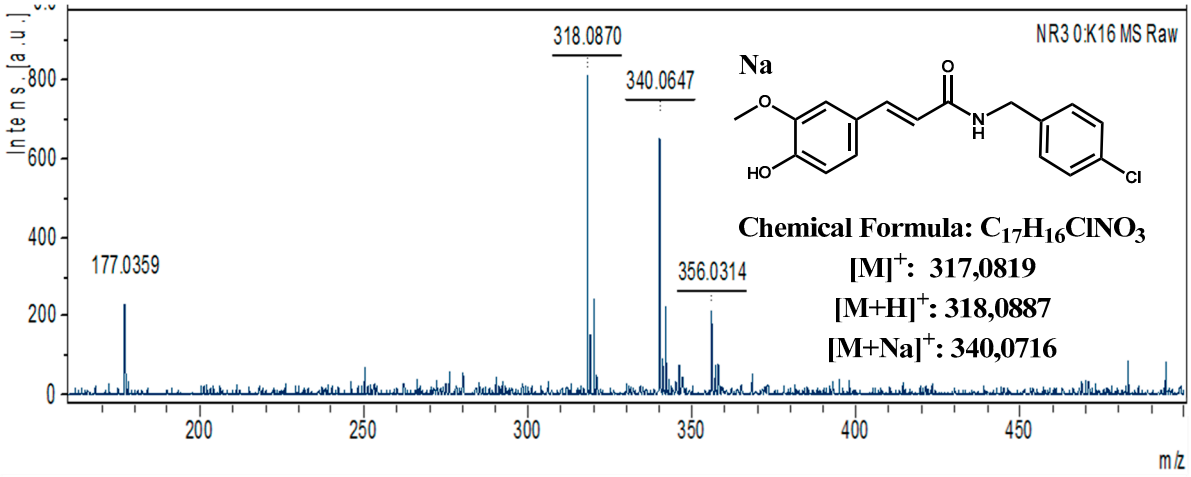

Figure S12. High resolution mass spectrum—MALDI of (*E*)-*N*-(4-chlorobenzyl)-3-(4-hydroxy-3-methoxyphenyl) (**3**).

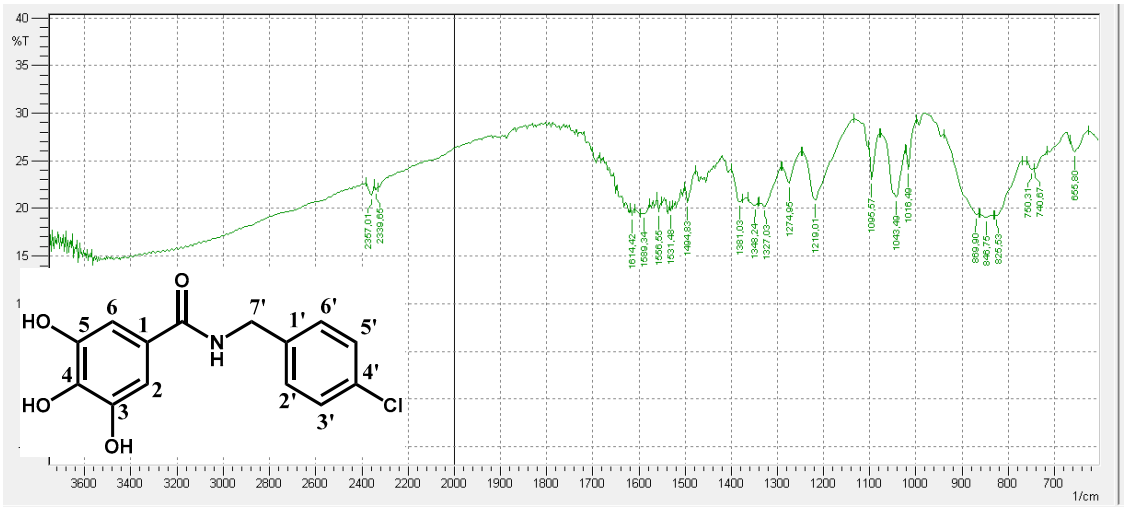

Figure S13. Infrared spectrum (KBr, cm^{-1}) de *N*-(4-chlorobenzyl)-3,4,5-trihydroxybenzamide (**14**).

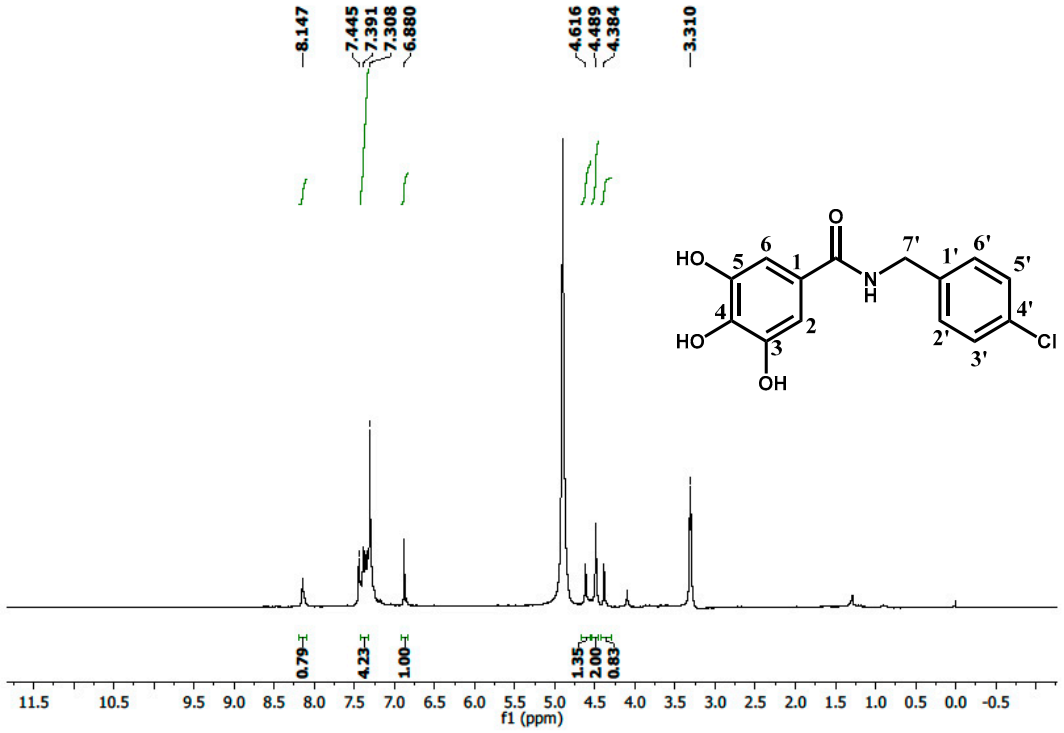

Figure S14. ^{1}H-NMR spectrum of *N*-(4-chlorobenzyl)-3,4,5-trihydroxybenzamide (**14**) (MeOD, 200 MHz).

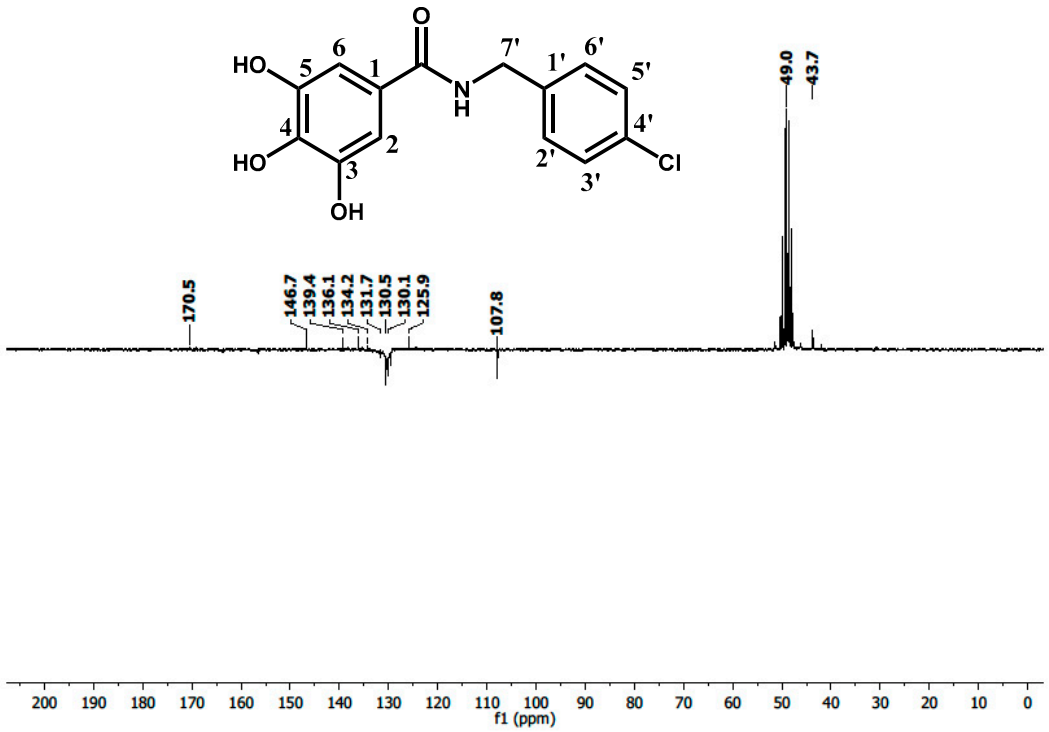

Figure S15. ^{13}C-APT NMR spectrum of *N*-(4-chlorobenzyl)-3,4,5-trihydroxybenzamide (**14**) (MeOD, 50 MHz).

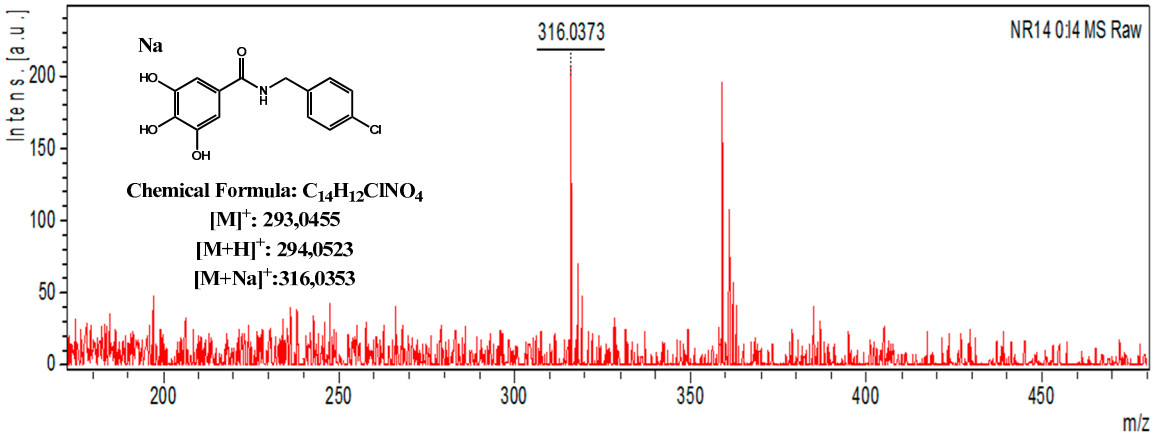

Figure S16. High resolution mass spectrum—MALDI of *N*-(4-chlorobenzyl)-3,4,5-trihydroxybenzamide (**14**).

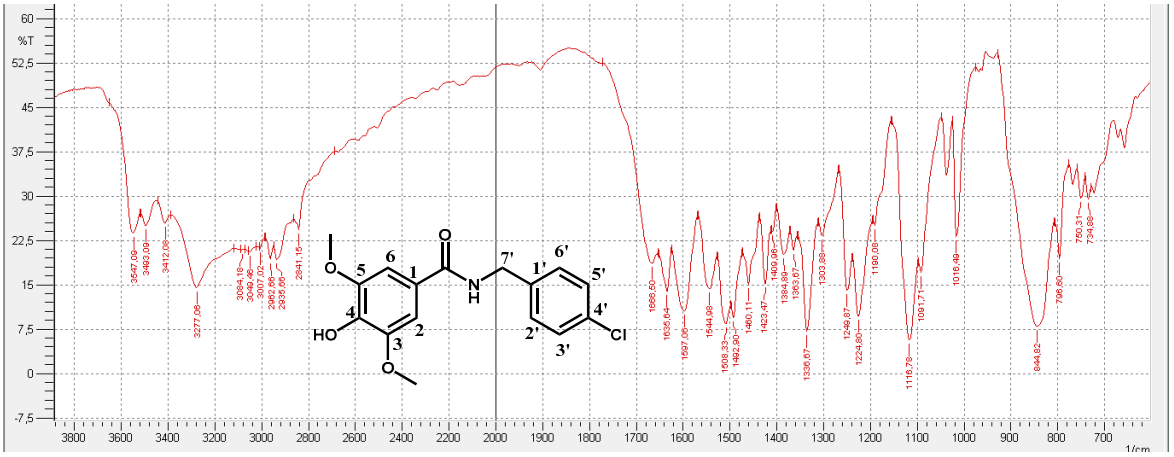

Figure S17. Infrared spectrum (KBr, cm^{-1}) of *N*-(4-chlorobenzyl)-4-hydroxy-3,5-dimethoxybenzamide (**16**).

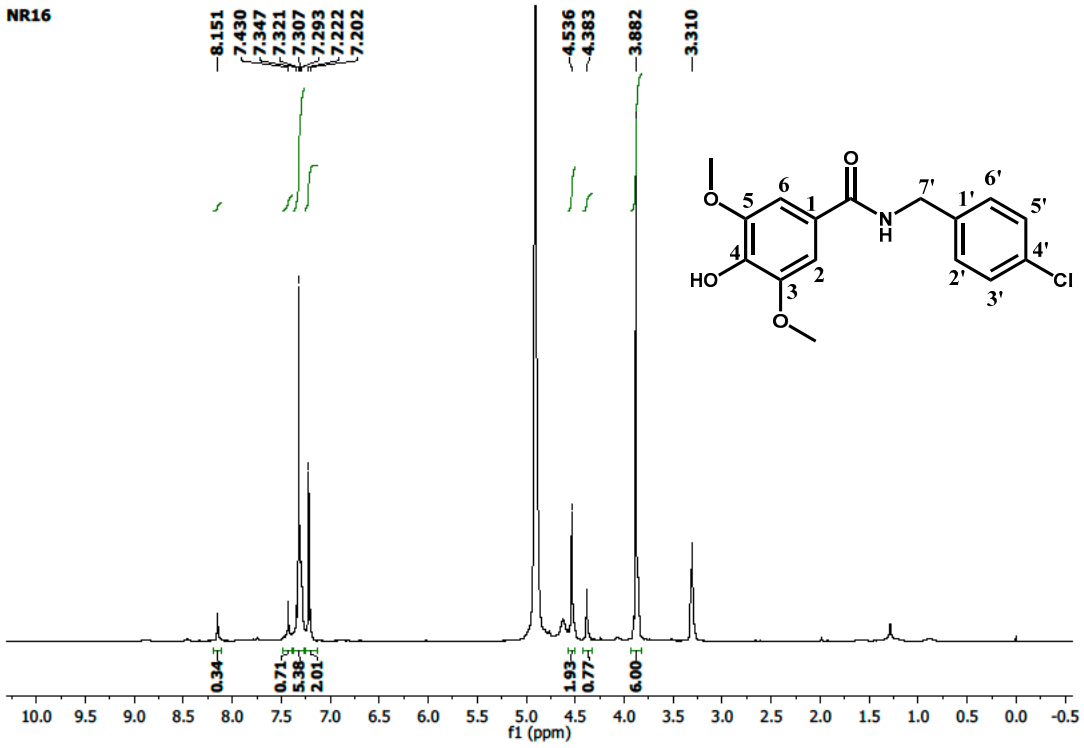

Figure S18. ^{1}H-NMR spectrum of *N*-(4-chlorobenzyl)-4-hydroxy-3,5-dimethoxybenzamide (**16**) (DMSO-d_6, 200 MHz).

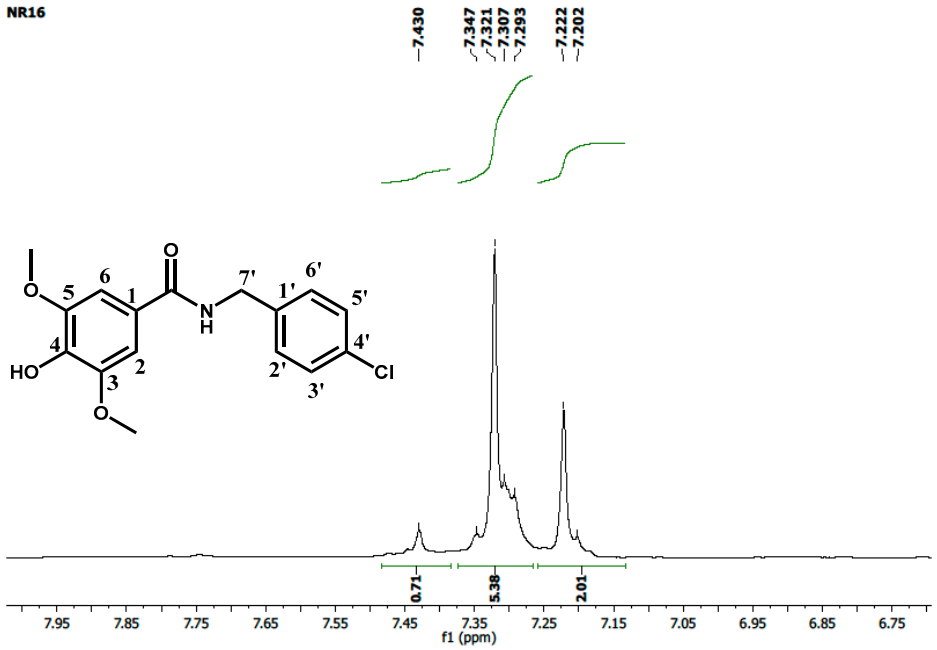

Figure S19. Expansion of the ^{1}H-NMR spectrum of *N*-(4-chlorobenzyl)-4-hydroxy-3,5-dimethoxybenzamide (**16**) (DMSO-d_6, 200 MHz).

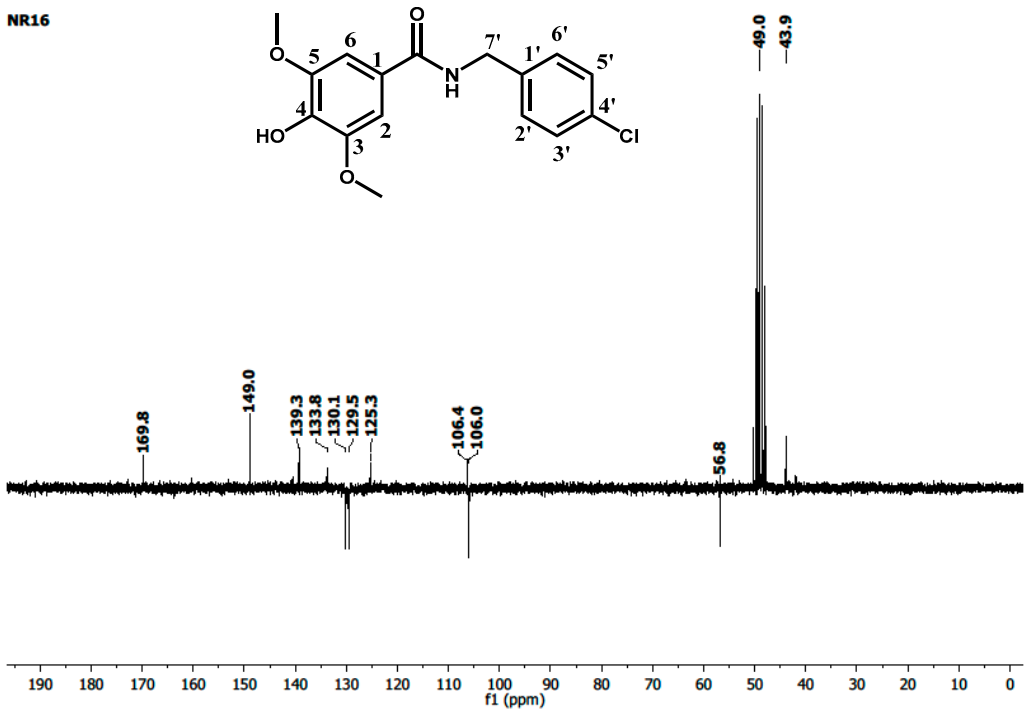

Figure S20. ^{13}C-APT NMR spectrum of *N*-(4-chlorobenzyl)-4-hydroxy-3,5-dimethoxybenzamide (**16**) (DMSO-d_6, 50 MHz).

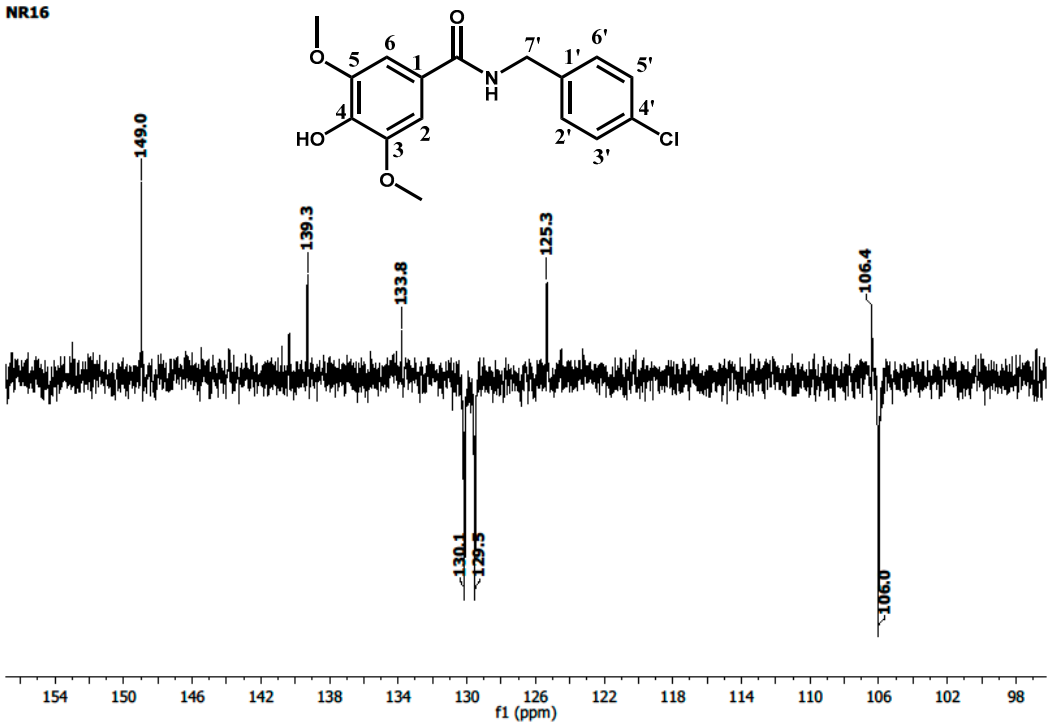

Figure S21. Expansion of the spectrum of ^{13}C-APT NMR of *N*-(4-chlorobenzyl)-4-hydroxy-3,5-dimethoxybenzamide (**16**) (DMSO-d_6, 50 MHz).

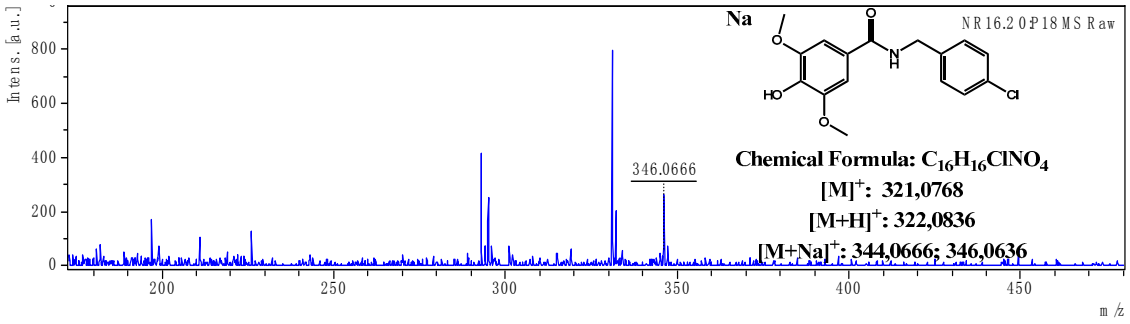

Figure S22. High resolution mass spectrum—MALDI of *N*-(4-chlorobenzyl)-4-hydroxy-3,5-dimethoxybenzamide (**16**).

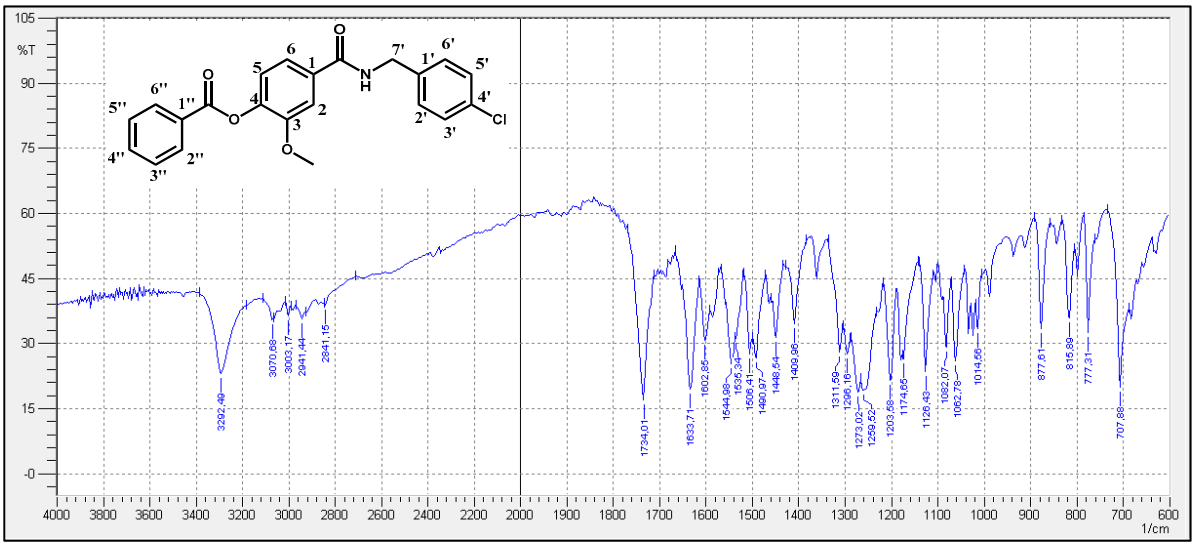

Figure S23. Infrared spectrum (KBr, cm^{-1}) of 4-((4-chlorobenzyl) carbamoyl)-2-methoxyphenyl benzoate (**23**).

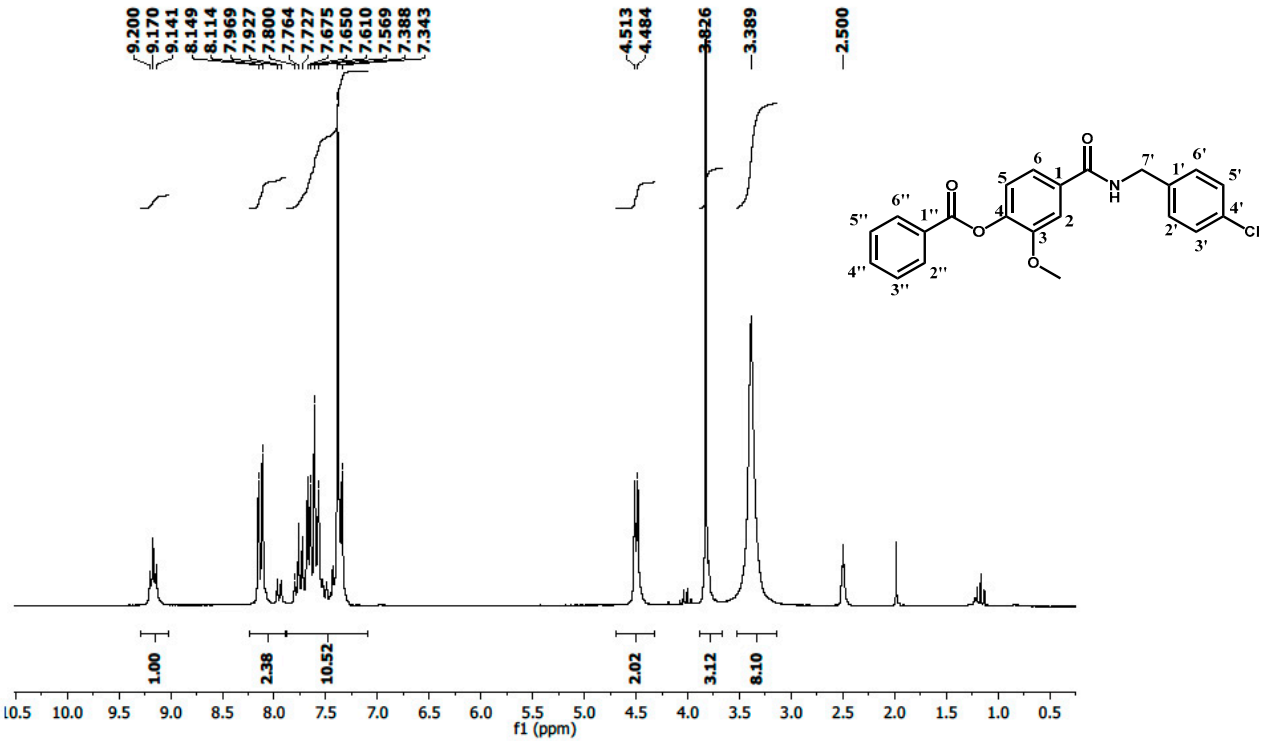

Figure S24. ^{1}H-NMR spectrum of 4-((4-chlorobenzyl) carbamoyl)-2-methoxyphenyl benzoate (**23**) (DMSO-d_6, 200 MHz).

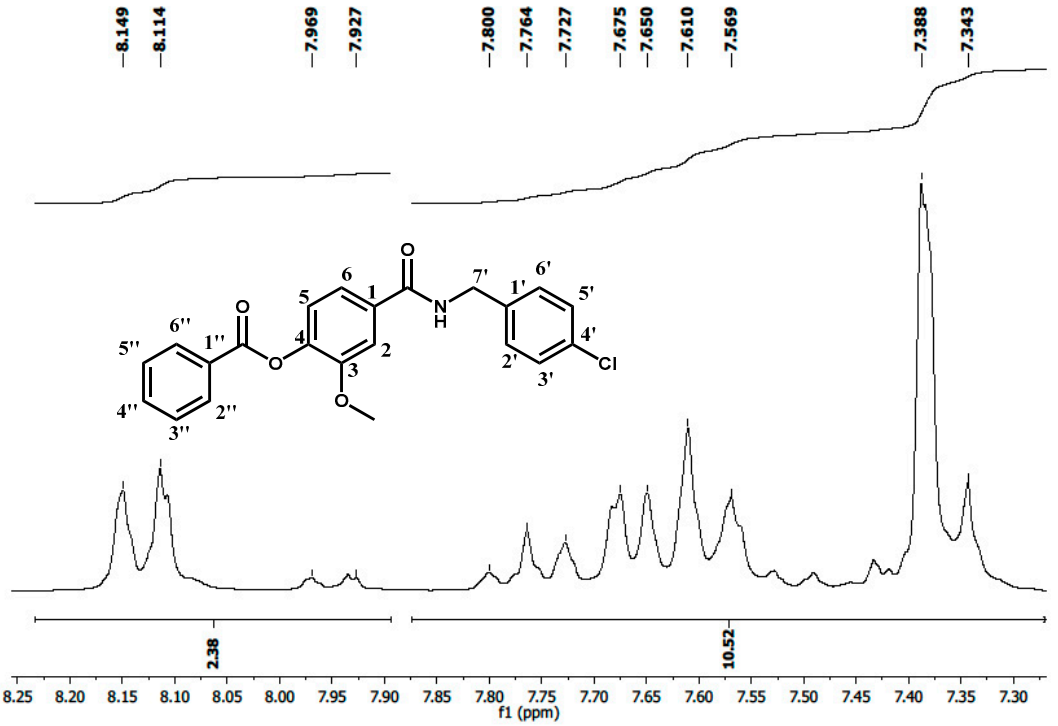

Figure S25. Expansion of the ^{1}H-NMR spectrum of 4-((4-chlorobenzyl) carbamoyl)-2-methoxyphenyl benzoate (**23**) (DMSO-d_6, 200 MHz).

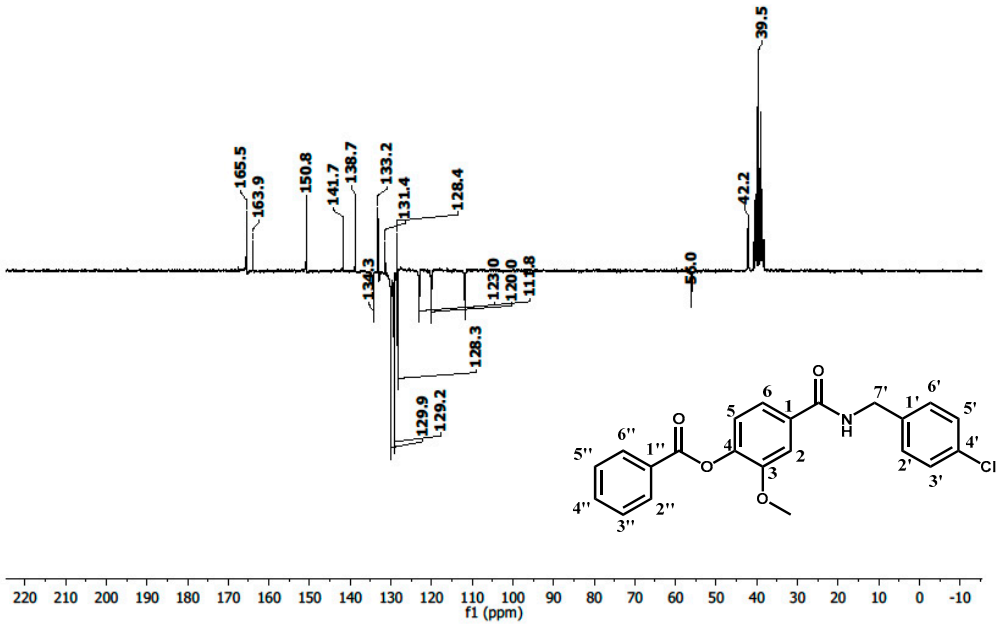

Figure S26. ^{13}C-APT NMR spectrum of 4-((4-chlorobenzyl) carbamoyl)-2-methoxyphenyl benzoate (**23**) (DMSO-d_6, 50 MHz).

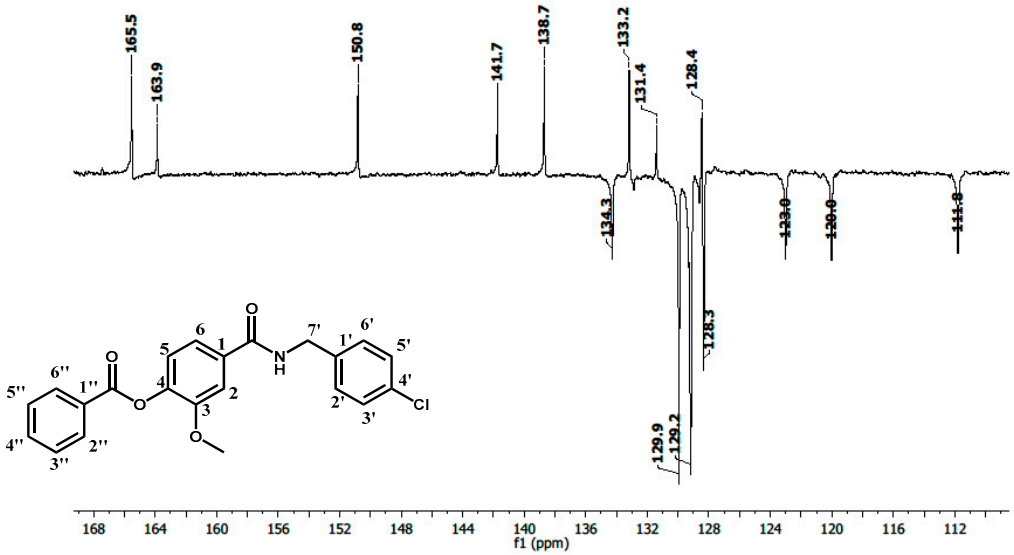

Figure S27. Expansion of the ^{13}C-APT NMR spectrum of 4-((4-chlorobenzyl) carbamoyl)-2-methoxyphenyl benzoate (**23**) (DMSO-d_6, 50 MHz).

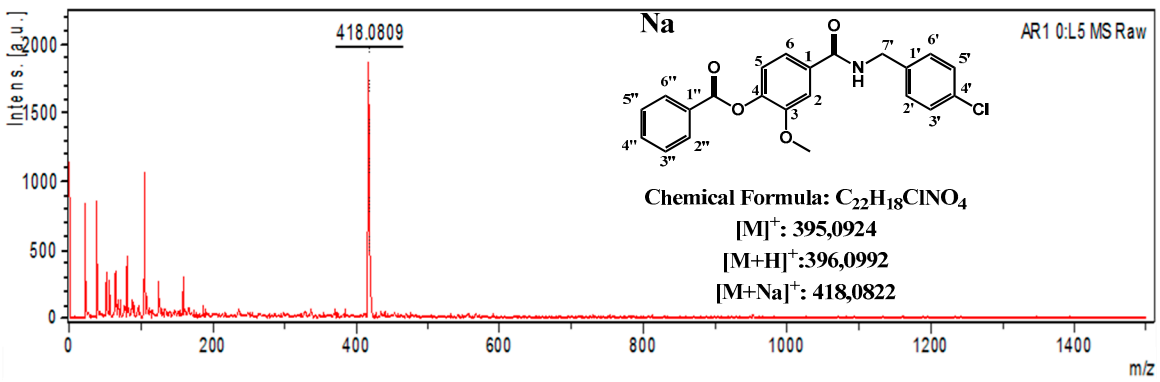

Figure S28. High resolution mass spectrum—MALDI of 4-((4-chlorobenzyl)carbamoyl)-2-methoxyphenyl benzoate (**23**).

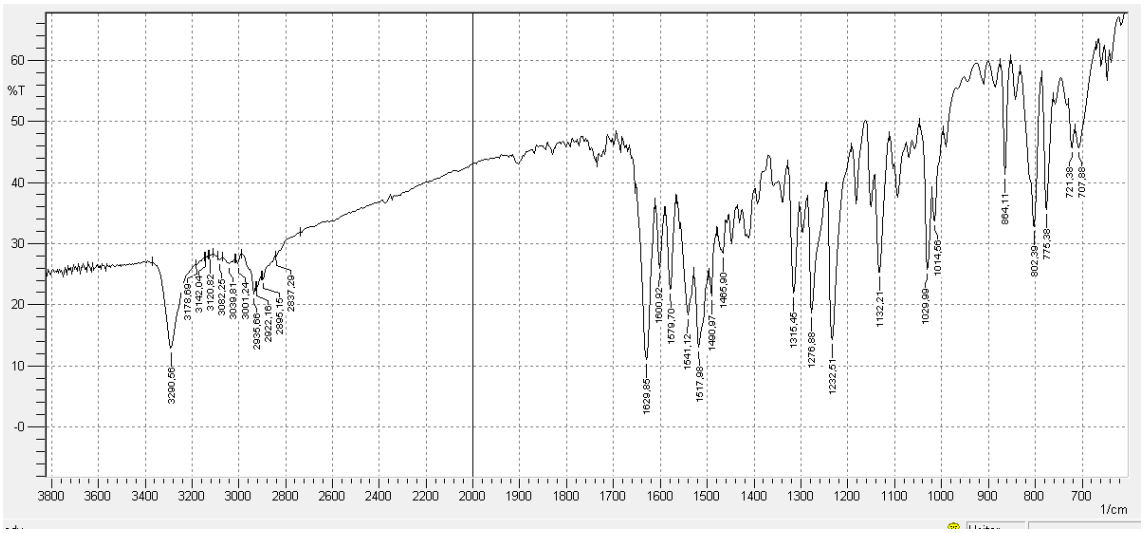

Figure S29. Infrared spectrum (KBr, cm^{-1}) of *N*-(4-chlorobenzyl)-3-methoxy-4-(4-methylphenetoxy) (**28**).

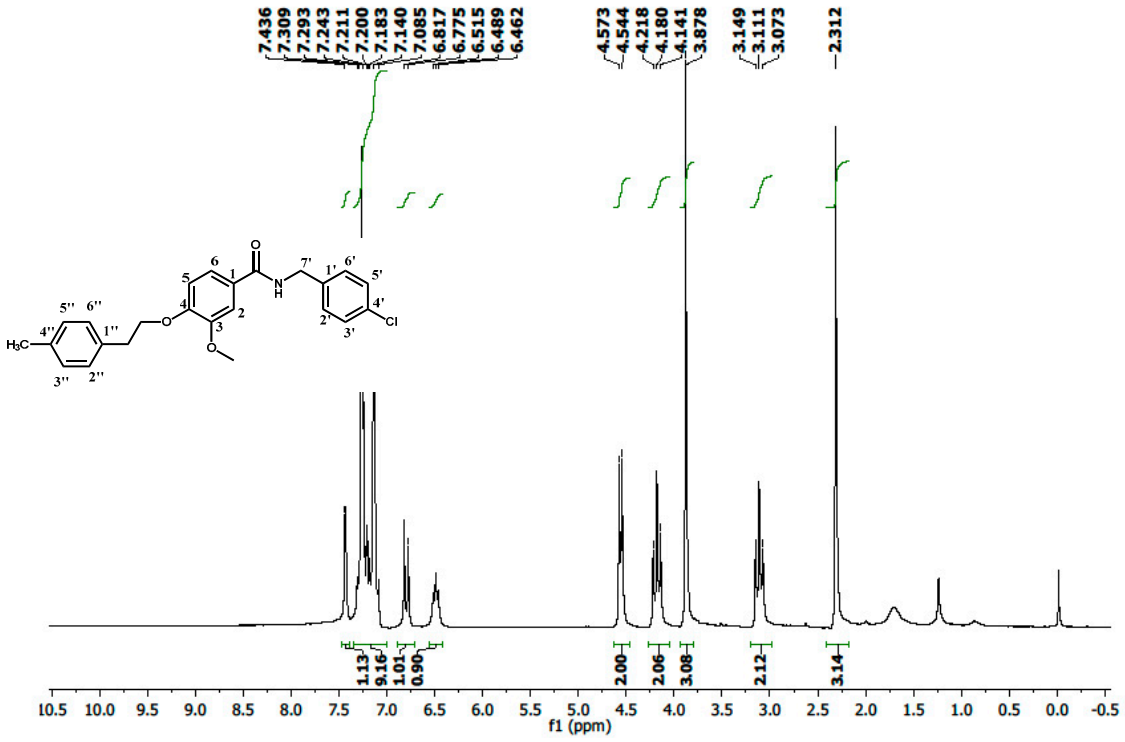

Figure S30. ^{1}H-NMR spectrum of *N*-(4-chlorobenzyl)-3-methoxy-4-(4-methylphenetoxy) (**28**) ($CDCl_3$, 200 MHz).

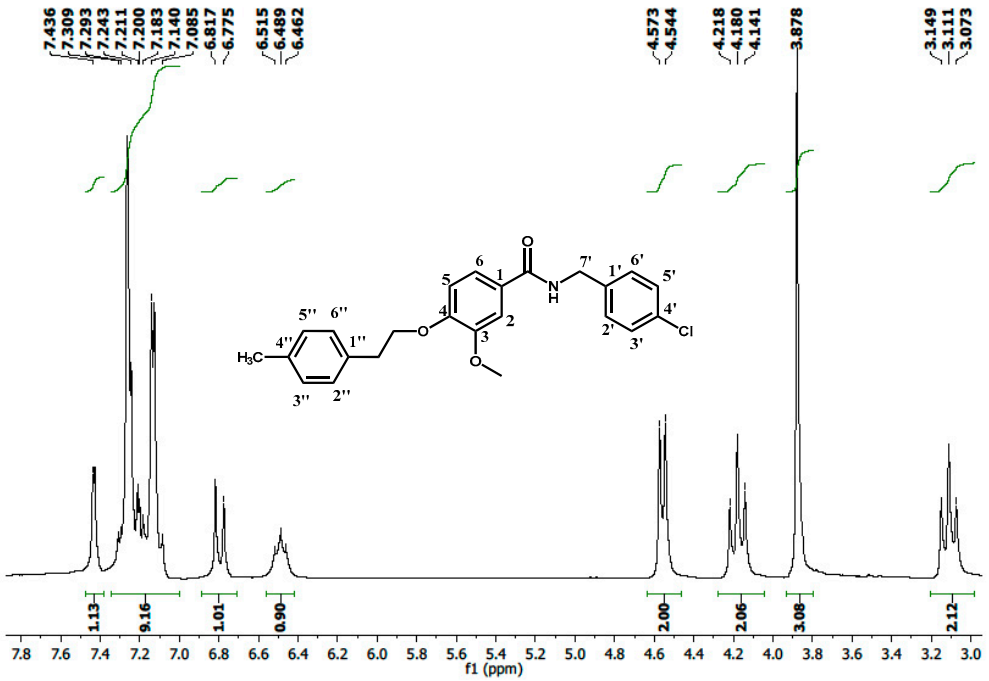

Figure S31. Expansion of the spectrum of ^{1}H NMR of *N*-(4-chlorobenzyl)-3-methoxy-4-(4-methylphenetoxy) (**28**) ($CDCl_3$, 200 MHz).

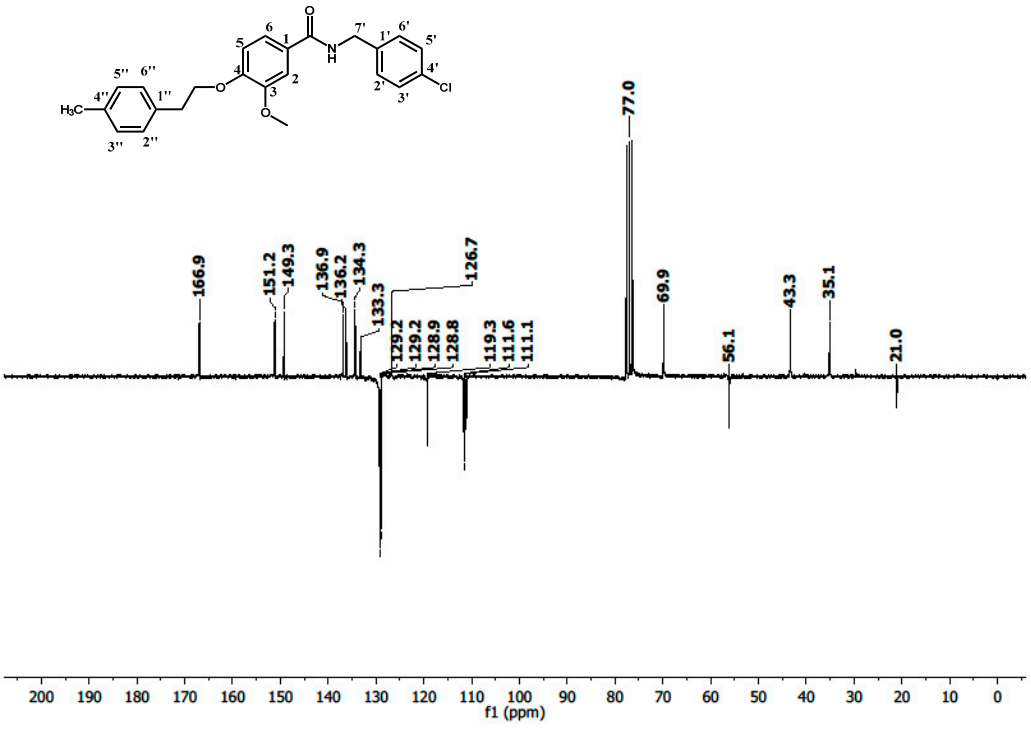

Figure S32. ^{13}C-APT NMR spectrum of *N*-(4-chlorobenzyl)-3-methoxy-4-(4-methylphenetoxy) (**28**) ($CDCl_3$, 50 MHz).

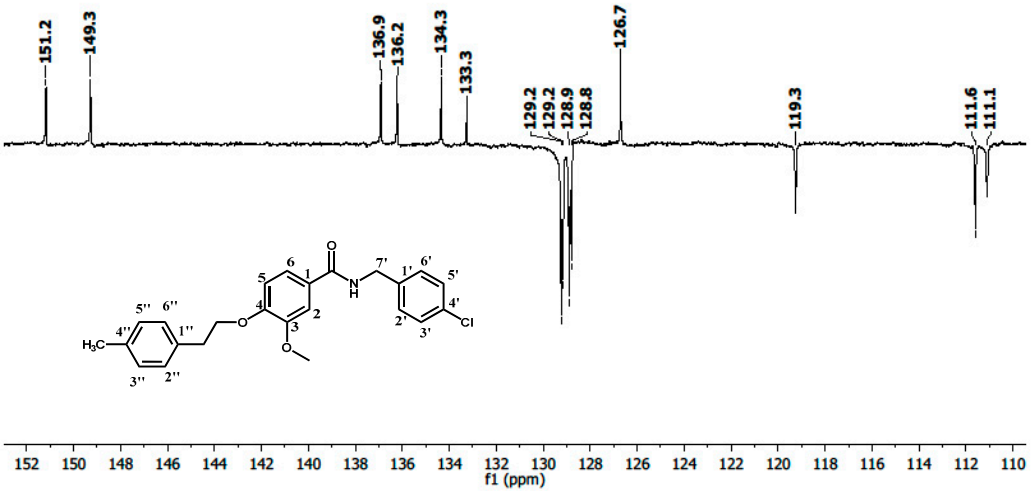

Figure S33. Expansion of the ^{13}C-APT NMR spectrum of *N*-(4-chlorobenzyl)-3-methoxy-4-(4-methylphenetoxy) (**28**) ($CDCl_3$, 50 MHz).

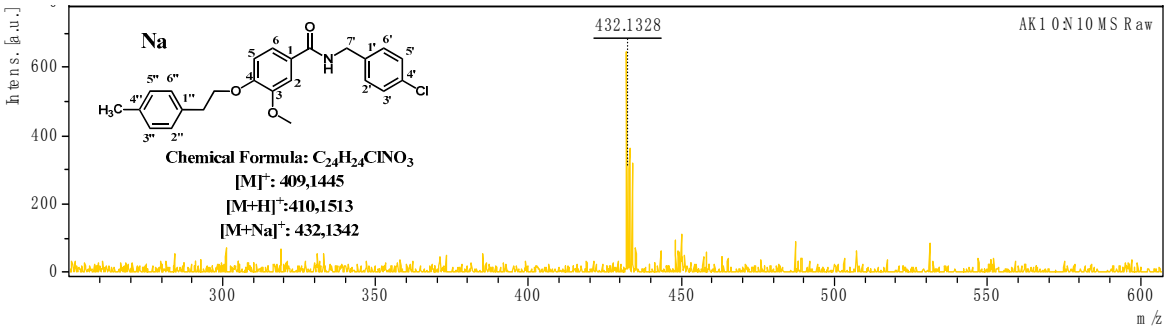

Figure S34. High resolution mass spectrum—MALDI of *N*-(4-chlorobenzyl)-3-methoxy-4-(4-methylphenetoxy) (**28**).