

Supporting Information

Fluorescent palladium(II) and platinum(II) NHC/1,2,3-triazole complexes: antiproliferative activity and selectivity against cancer cells

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1. NMR Spectroscopy

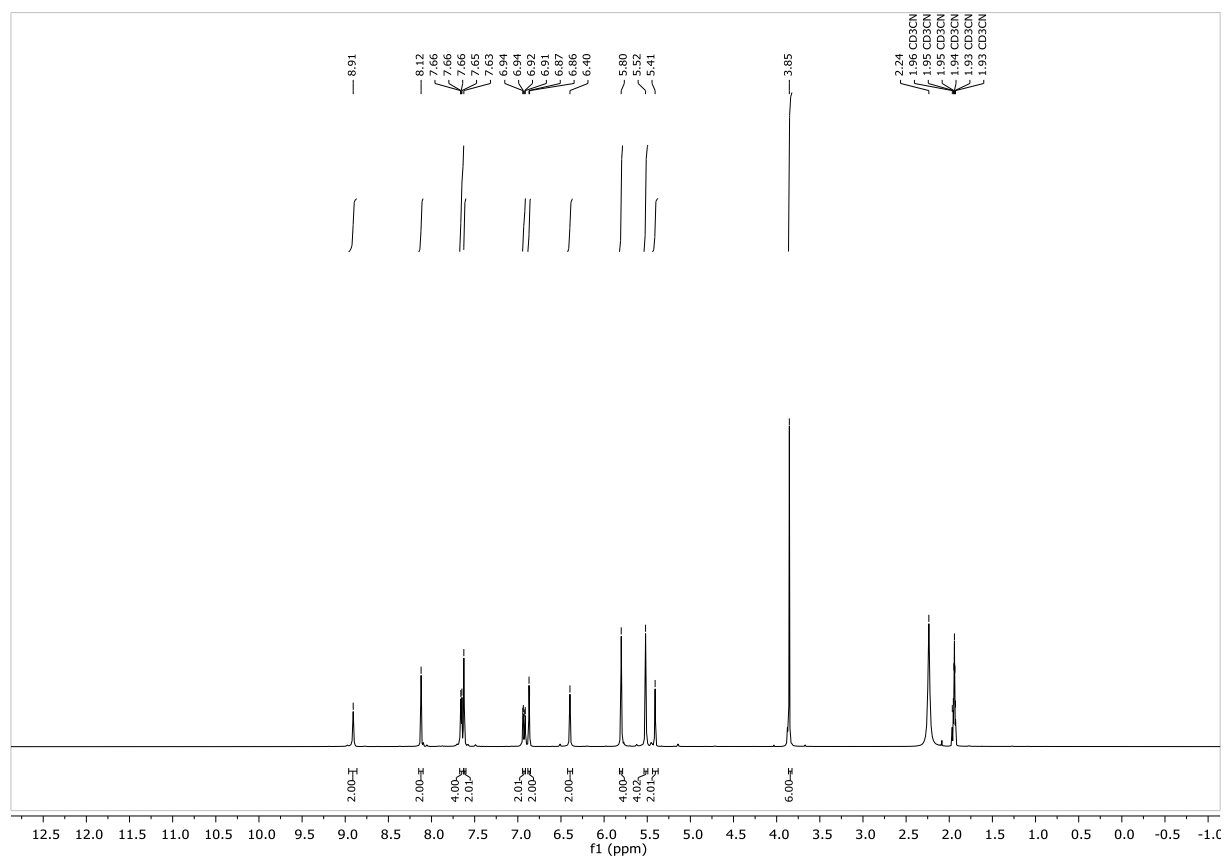


Figure S1. ^1H -NMR spectrum of $[\text{H}_2\text{L}^{\text{MMC}}](\text{PF}_6)_2$ in CD_3CN .

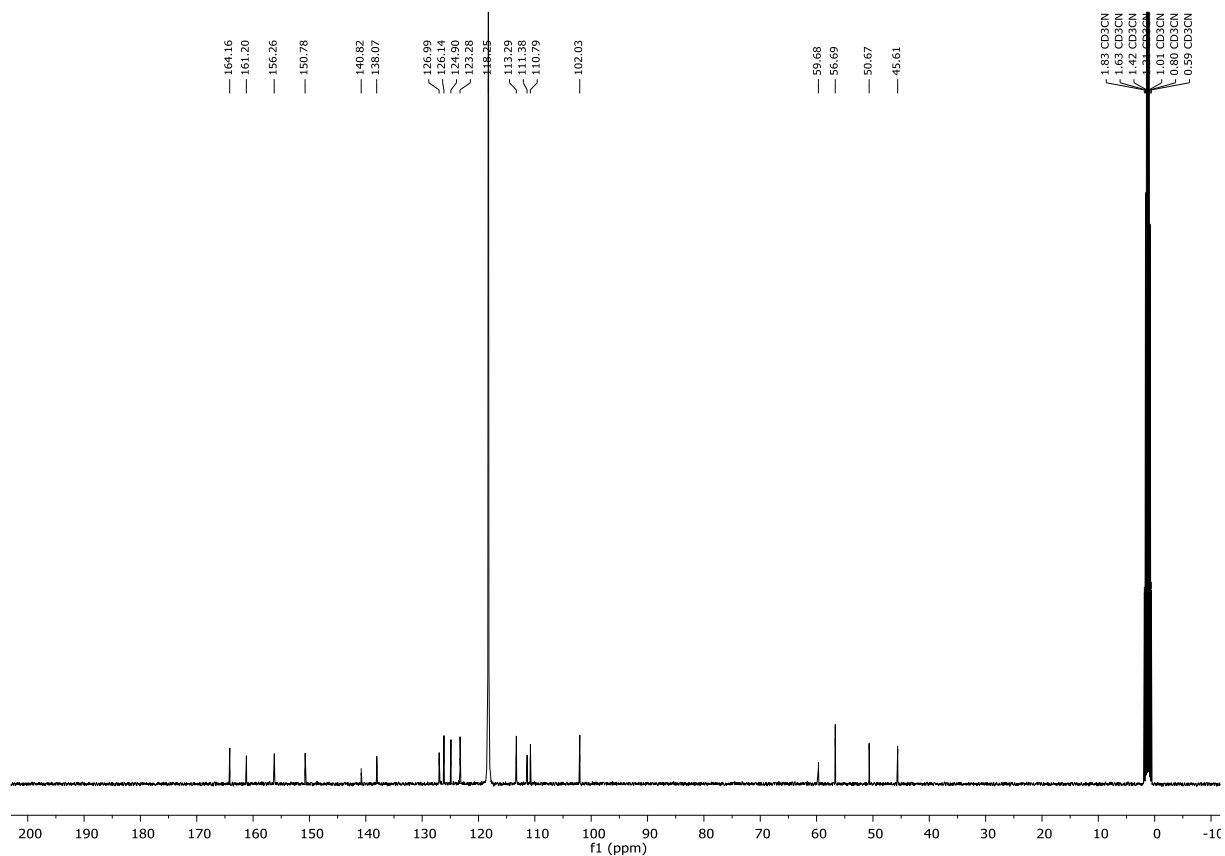


Figure S2. ^{13}C -NMR spectrum of $[\text{H}_2\text{L}^{\text{MMC}}](\text{PF}_6)_2$ in CD_3CN .

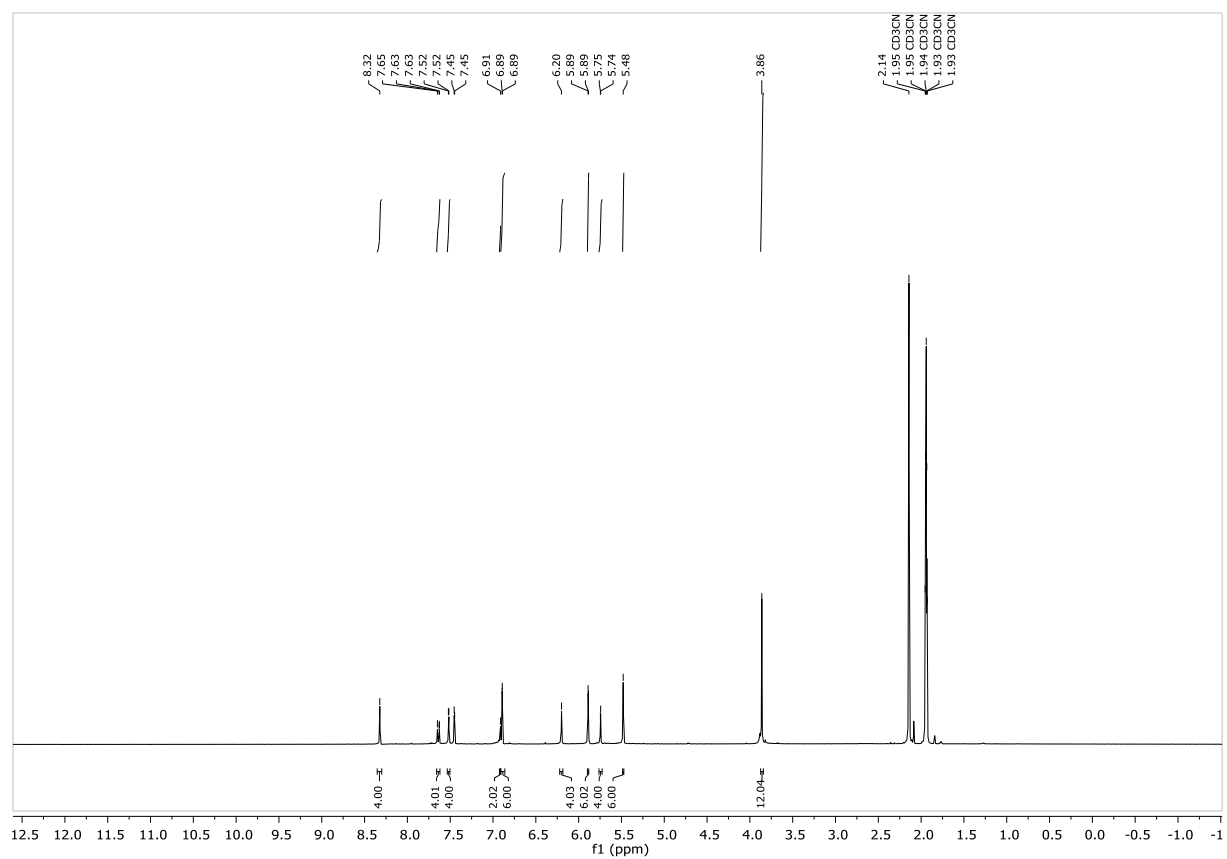


Figure S3. ¹H-NMR spectrum of **1**^{MMC} in CD₃CN.

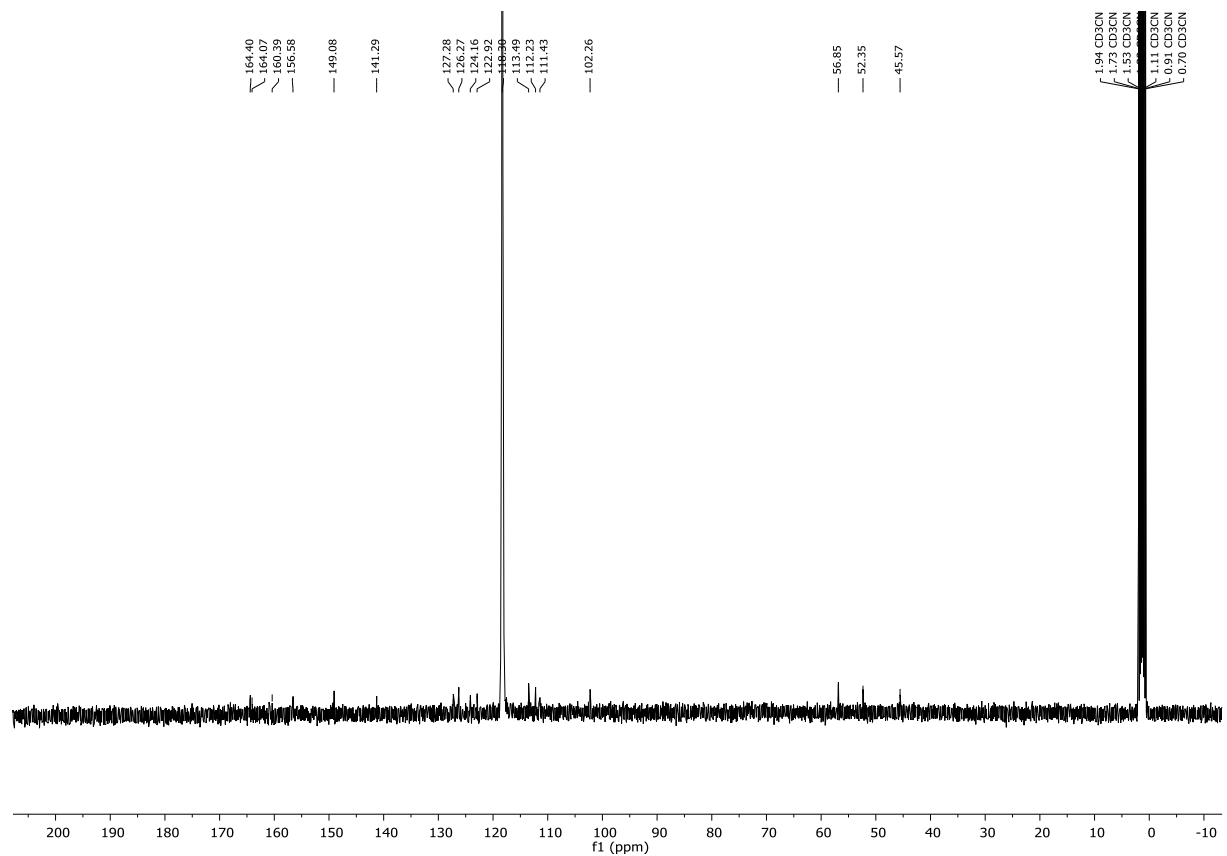


Figure S4. ¹³C-NMR spectrum of **1**^{MMC} in CD₃CN.

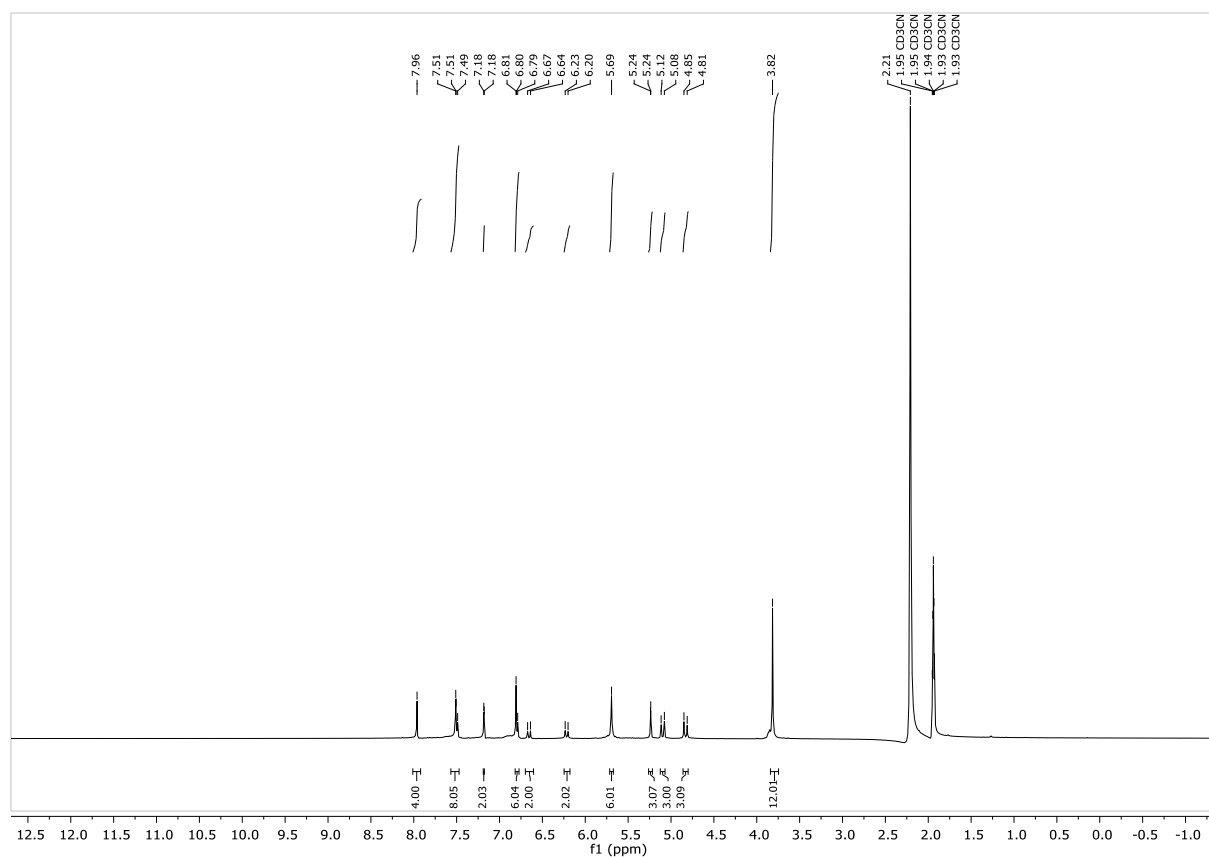


Figure S5. ¹H-NMR spectrum of **2**^{MMC} in CD₃CN.

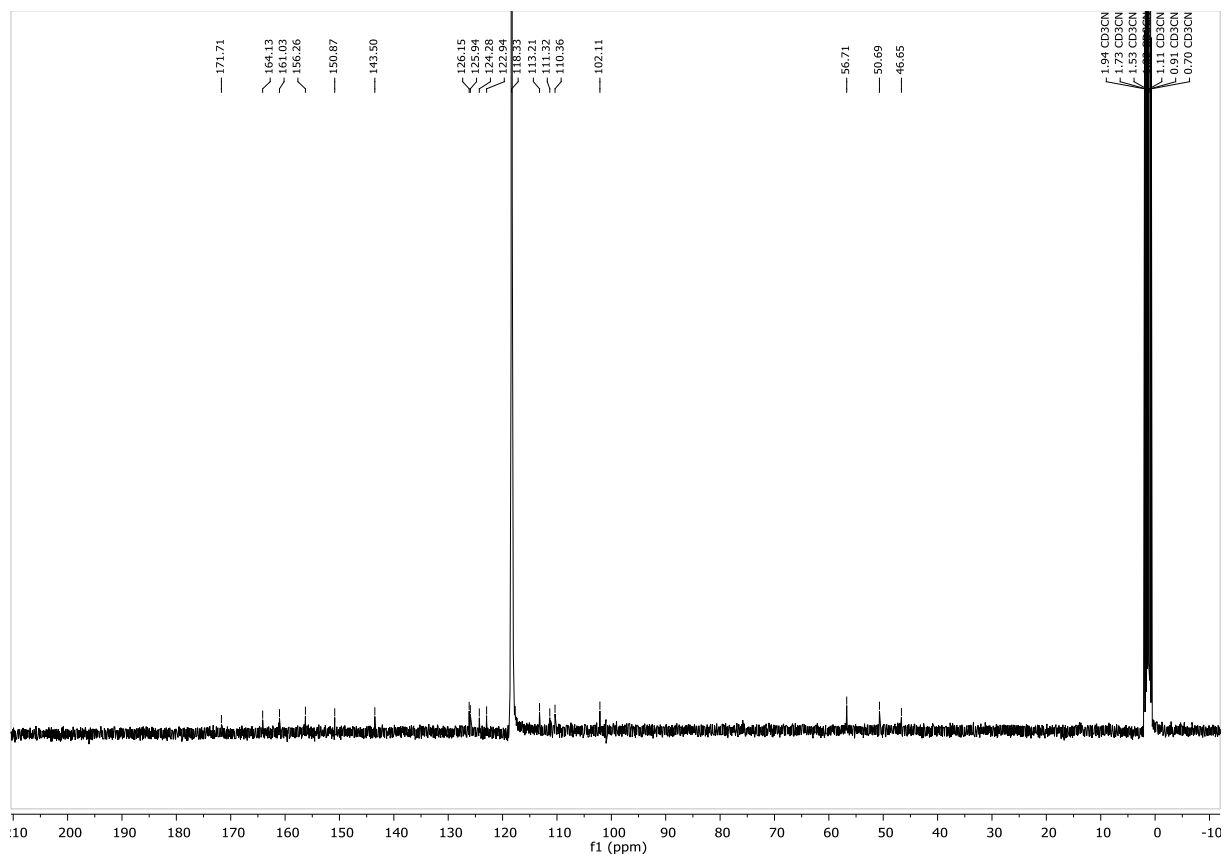


Figure S6. ¹³C-NMR spectrum of **2**^{MMC} in CD₃CN.

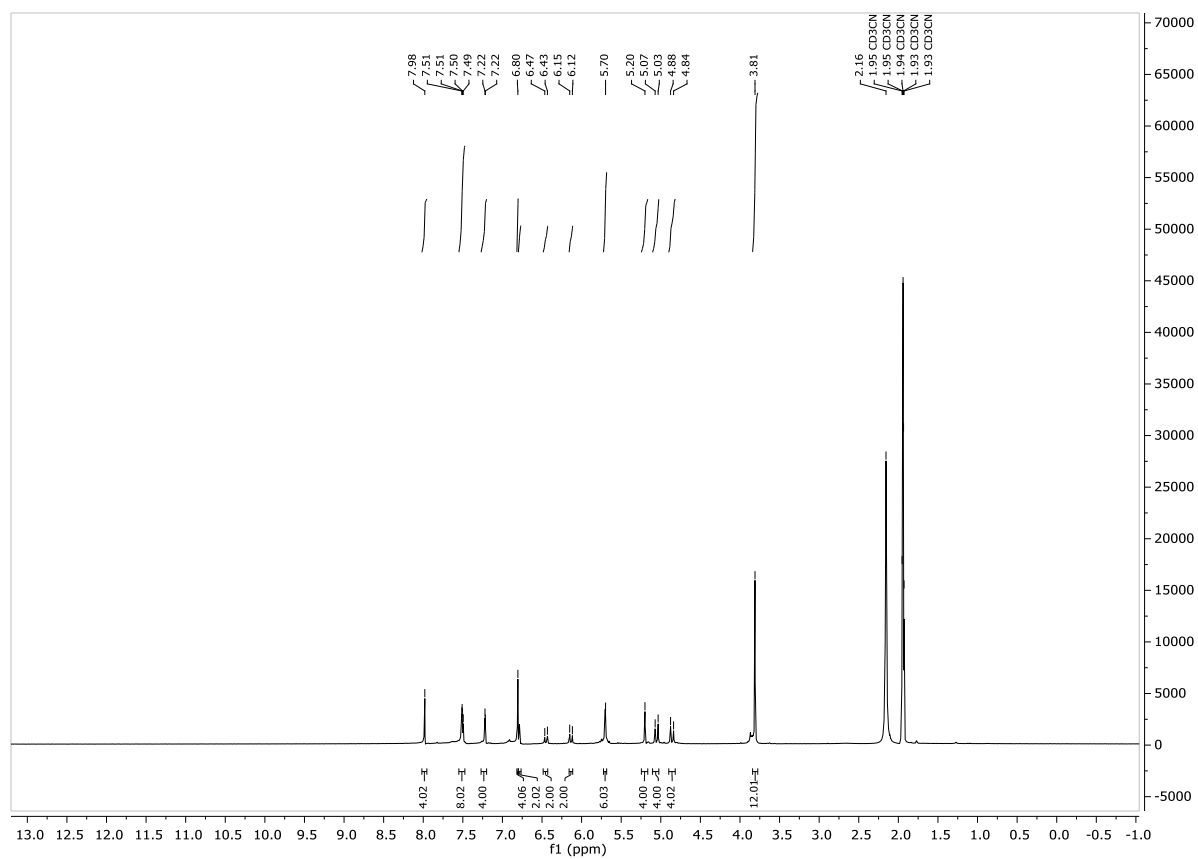


Figure S7. ¹H-NMR spectrum of **3**^{MMC} in CD₃CN.

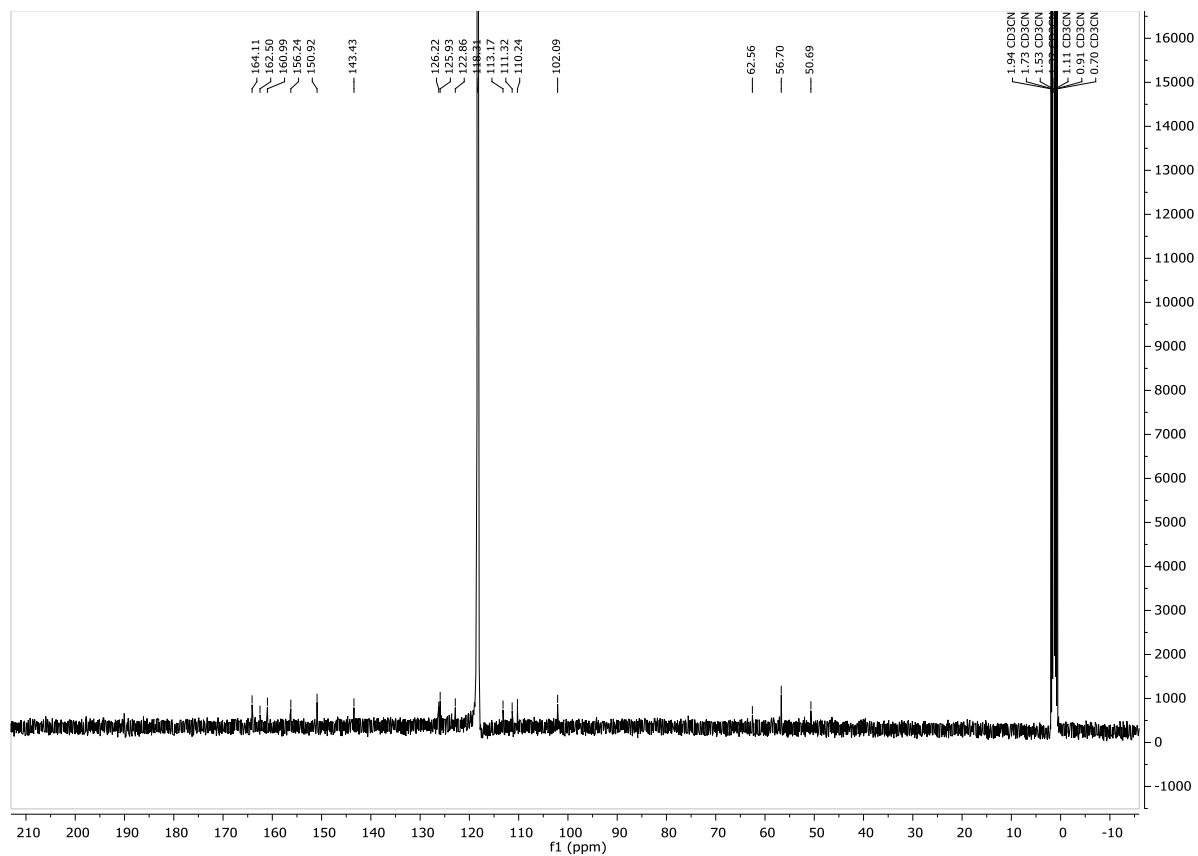


Figure S8. ¹³C-NMR spectrum of **3**^{MMC} in CD₃CN.

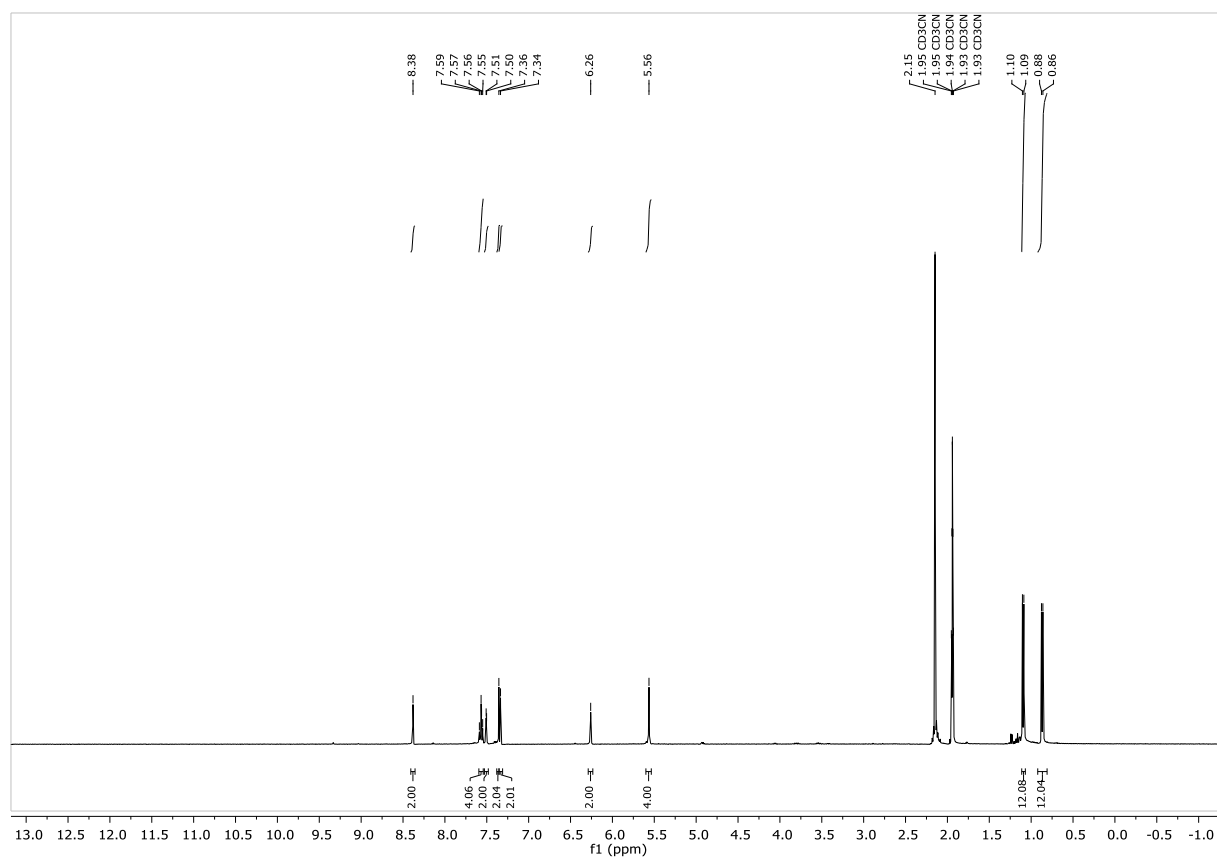


Figure S9. ¹H-NMR spectrum of **4^{Dipp}** in CD₃CN.

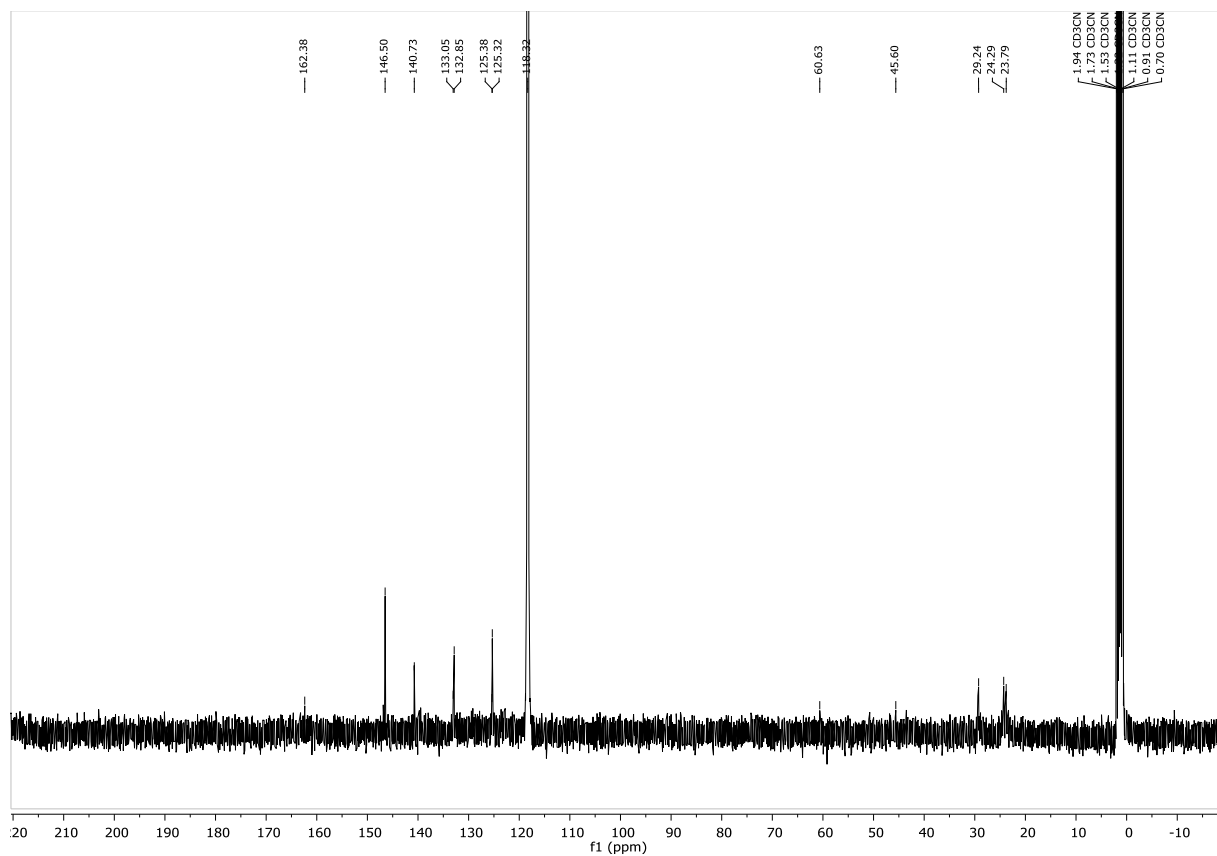


Figure S10. ¹³C-NMR spectrum of **4^{Dipp}** in CD₃CN.

2. UV/Vis and Fluorescence Spectroscopy

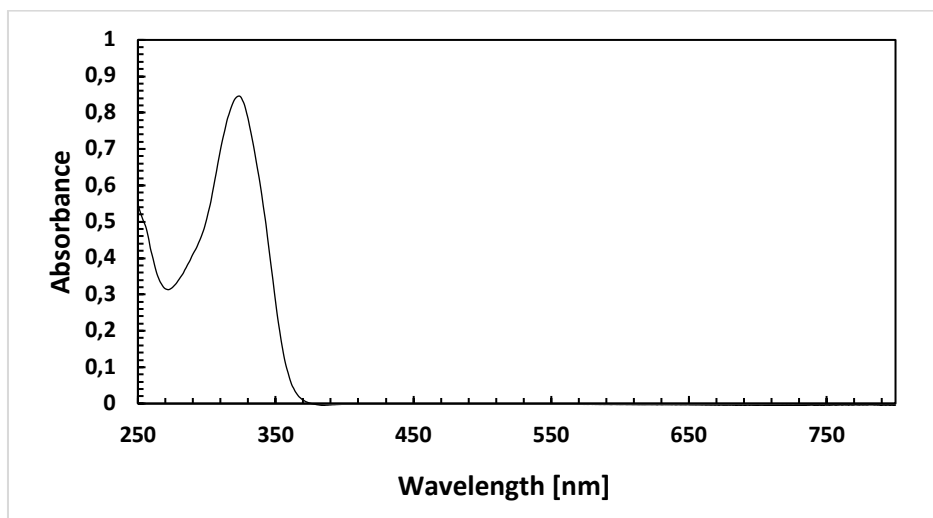


Figure S11. UV/Vis spectrum of **1^{MMC}** in MeCN; $\lambda_{\text{max}} = 324$ nm.

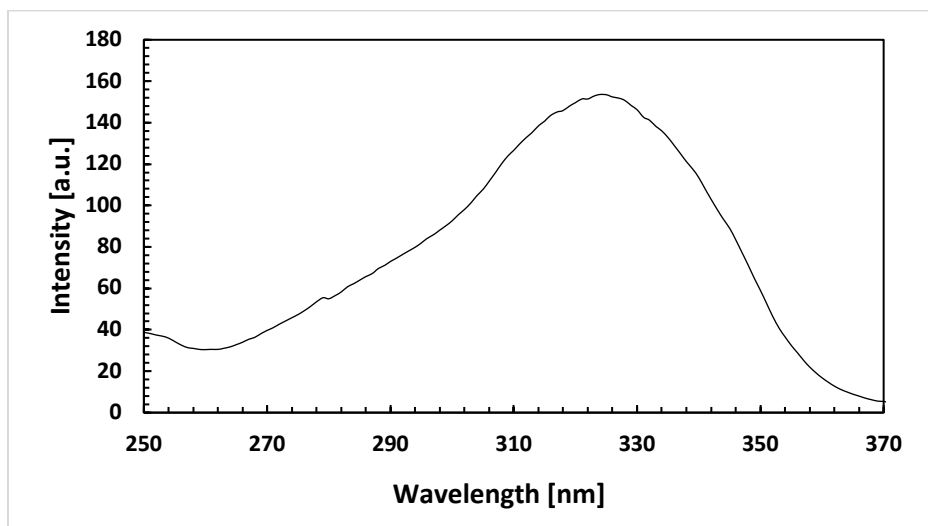


Figure S12. Excitation spectrum of **1^{MMC}** in MeCN ($\lambda = 403$ nm); $\lambda_{\text{max}} = 324$ nm.

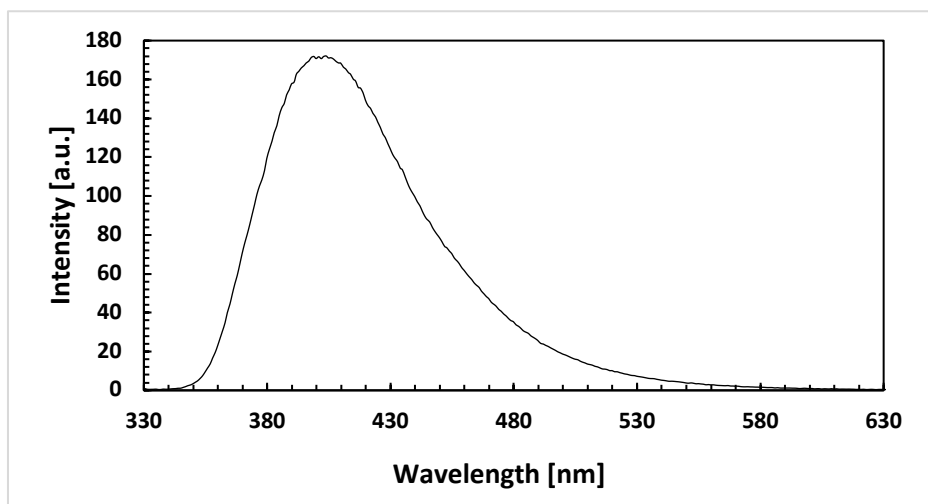


Figure S13. Emission spectrum of **1^{MMC}** in MeCN ($\lambda_{\text{max}} = 324$ nm); $\lambda_{\text{max}} = 403$ nm.

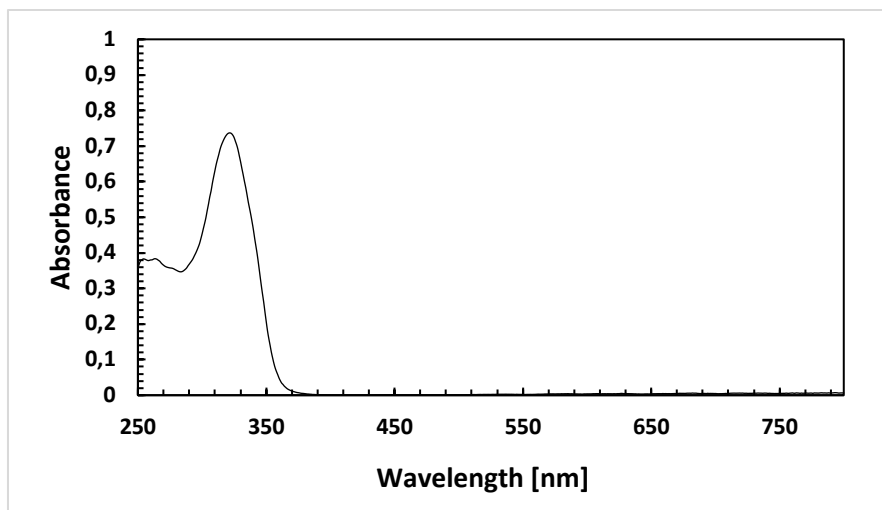


Figure S14. UV/Vis spectrum of **2^{MMC}** in MeCN; $\lambda_{\text{max}} = 324$ nm.

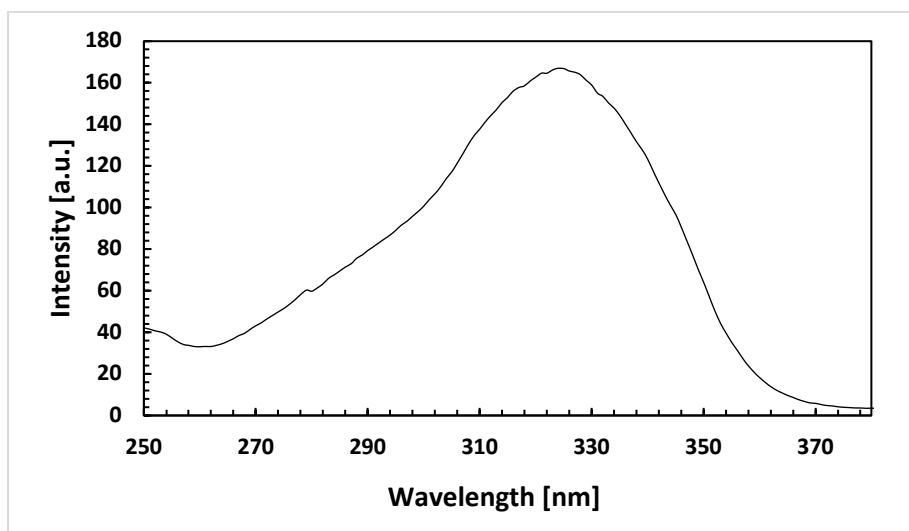


Figure S15. Excitation spectrum of **2^{MMC}** in MeCN ($\lambda = 401$ nm); $\lambda_{\text{max}} = 324$ nm.

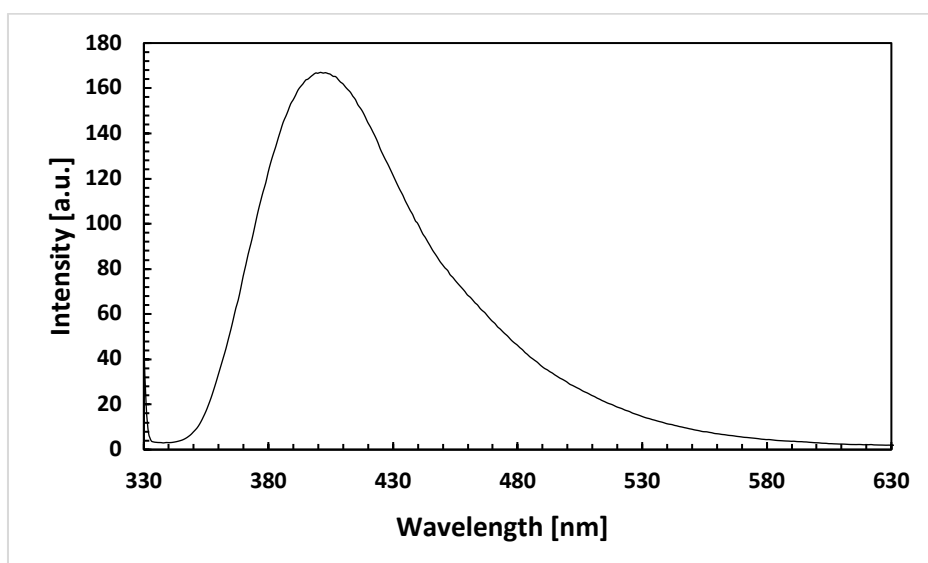


Figure S16. Emission spectrum of **2^{MMC}** in MeCN ($\lambda = 324$ nm); $\lambda_{\text{max}} = 401$ nm.

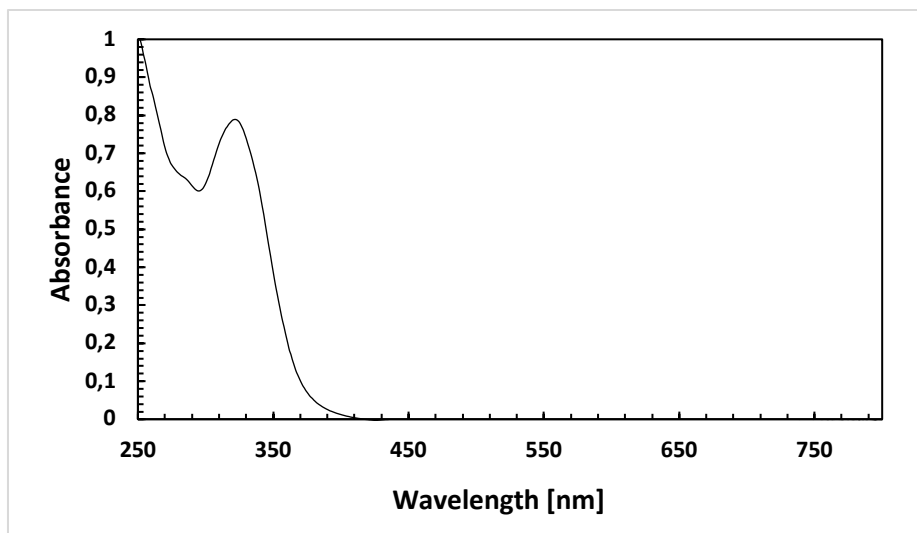


Figure S17. UV/Vis spectrum of **3^{MMC}** in MeCN; $\lambda_{\text{max}} = 323$ nm.

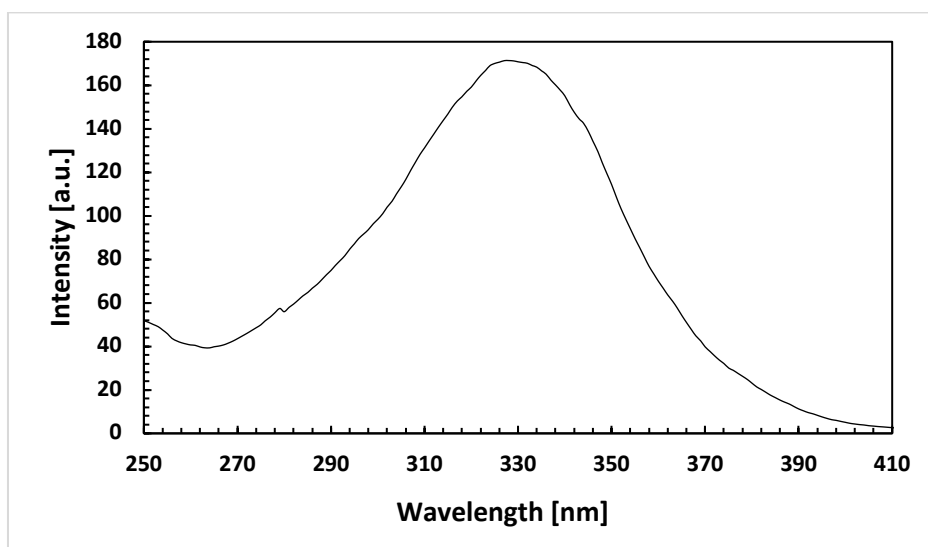


Figure S18. Excitation spectrum of **3^{MMC}** in MeCN ($\lambda = 425$ nm); $\lambda_{\text{max}} = 323$ nm

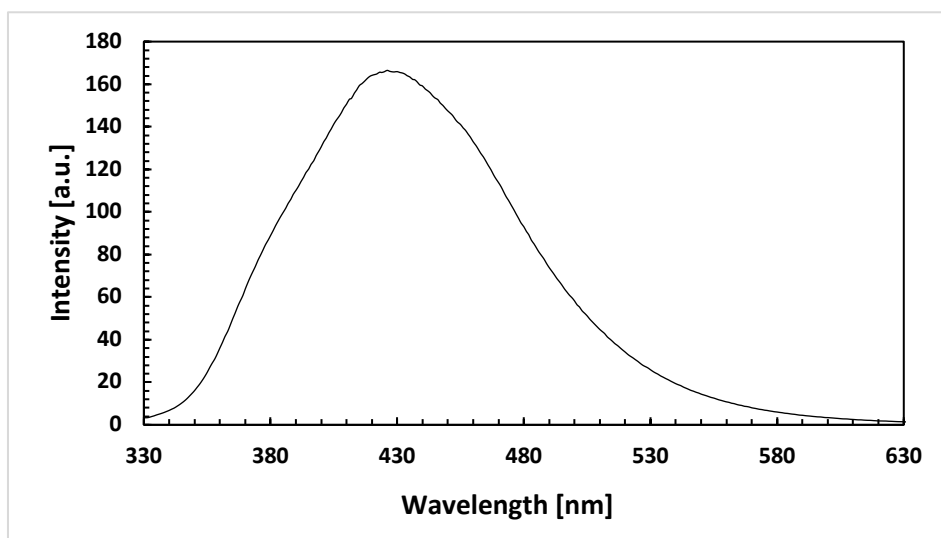


Figure S19. Emission spectrum of **3^{MMC}** in MeCN ($\lambda = 323$ nm); $\lambda_{\text{max}} = 425$ nm.

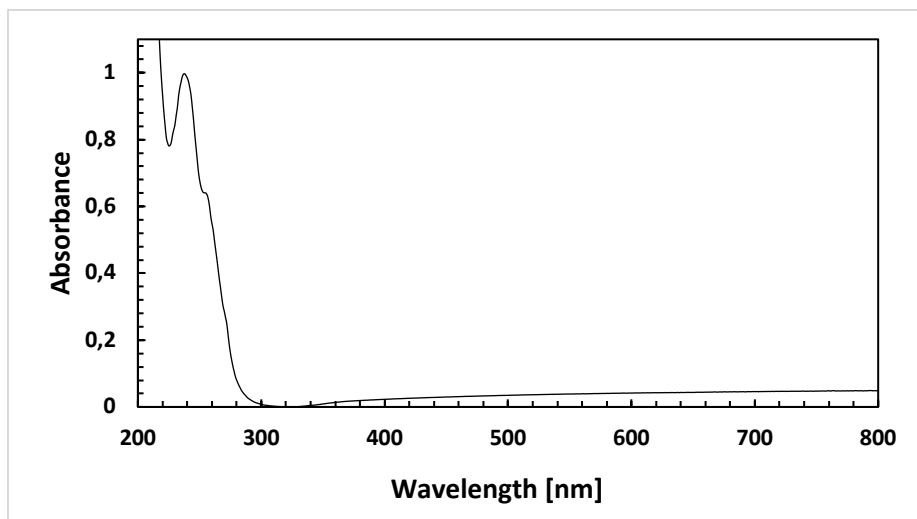


Figure S20. UV/Vis spectrum of **1^{Dipp}** in MeCN; λ_{max} = 336 nm.

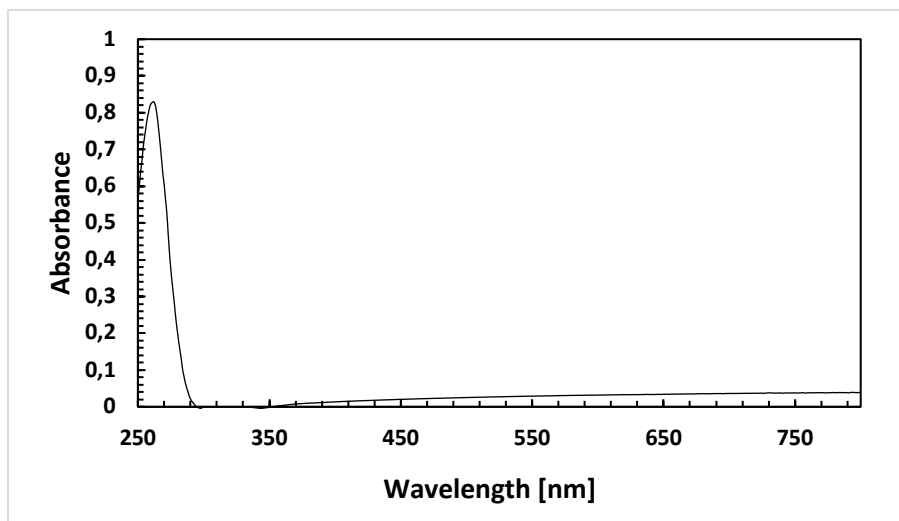


Figure S21. UV/Vis spectrum of **2^{Dipp}** in MeCN; λ_{max} = 263 nm.

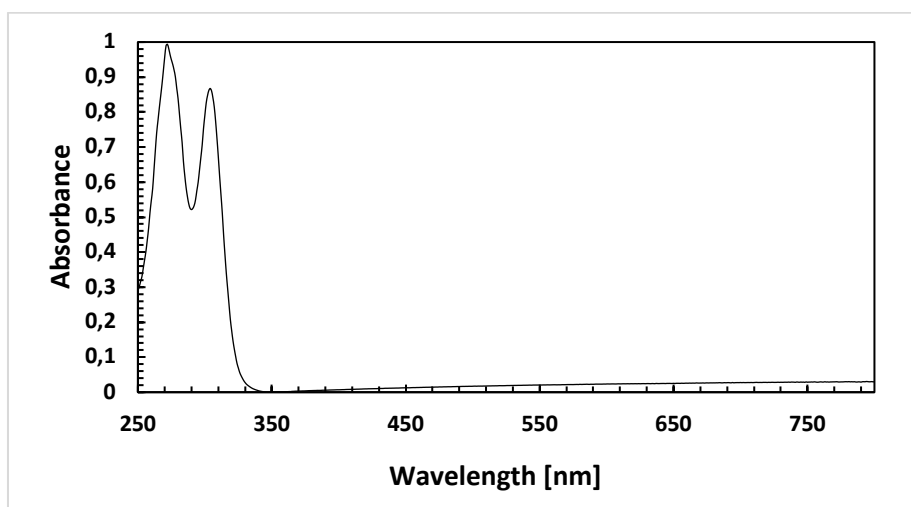


Figure S22. UV/Vis spectrum of **3^{Dipp}** in MeCN; $\lambda_{\text{max},1}$ = 269 nm, $\lambda_{\text{max},2}$ = 305 nm.

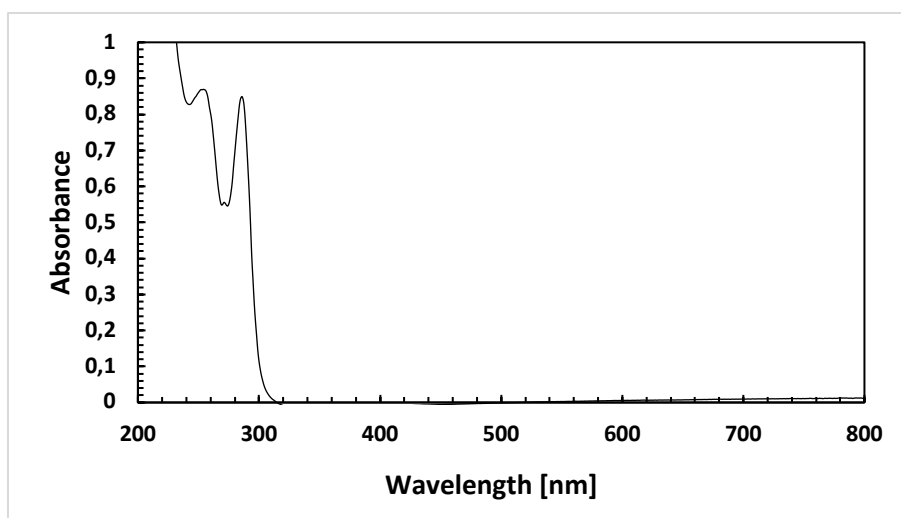


Figure S23. UV/Vis spectrum of 4^{DIPP} in MeCN; $\lambda_{\text{max},1} = 256 \text{ nm}$, $\lambda_{\text{max},2} = 287 \text{ nm}$.

3. Dose-Response Curves for IC₅₀ Determination

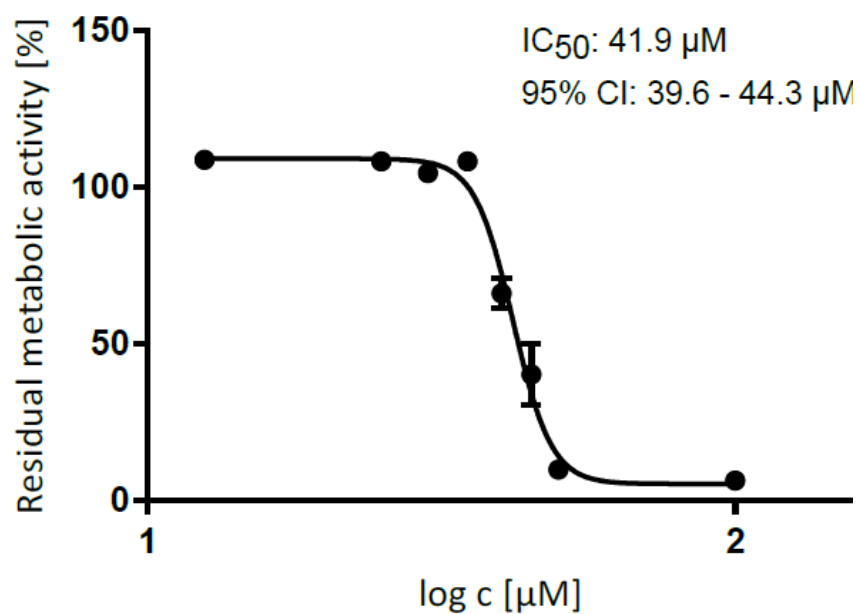


Figure S24. Dose-response curve of **1^{Dipp}** in HeLa.

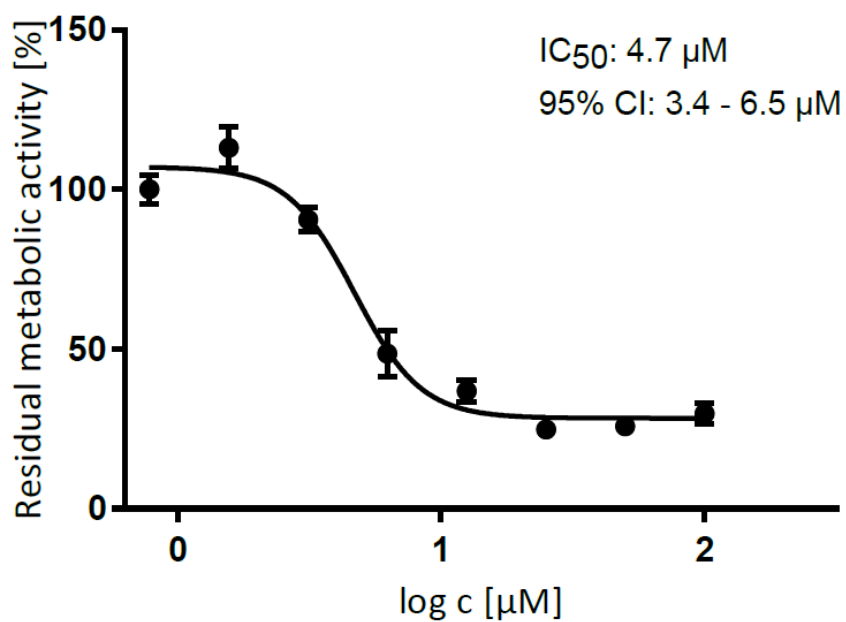


Figure S25. Dose-response curve of **2^{Dipp}** in HeLa.

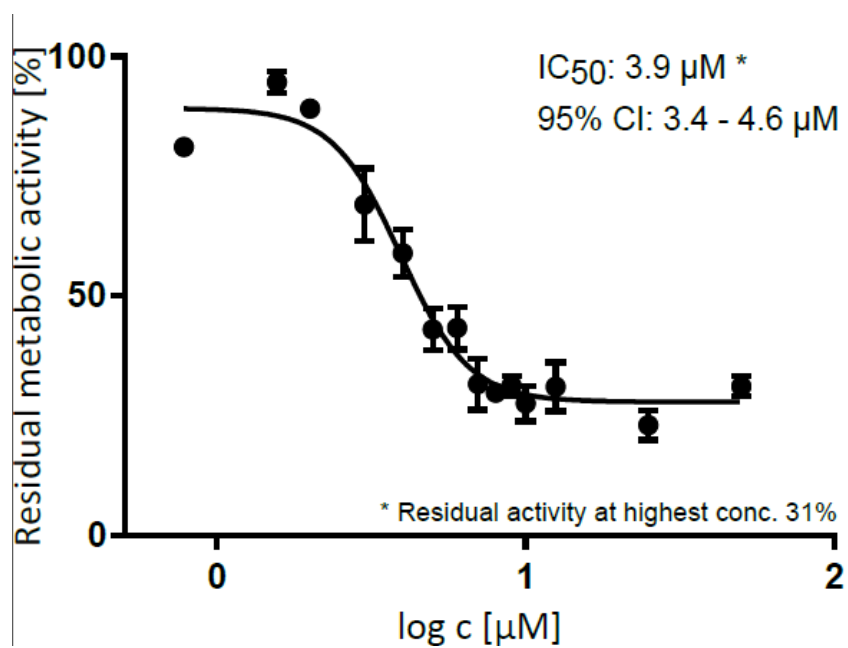


Figure S26. Dose-response curve of 3^{Dipp} in HeLa.

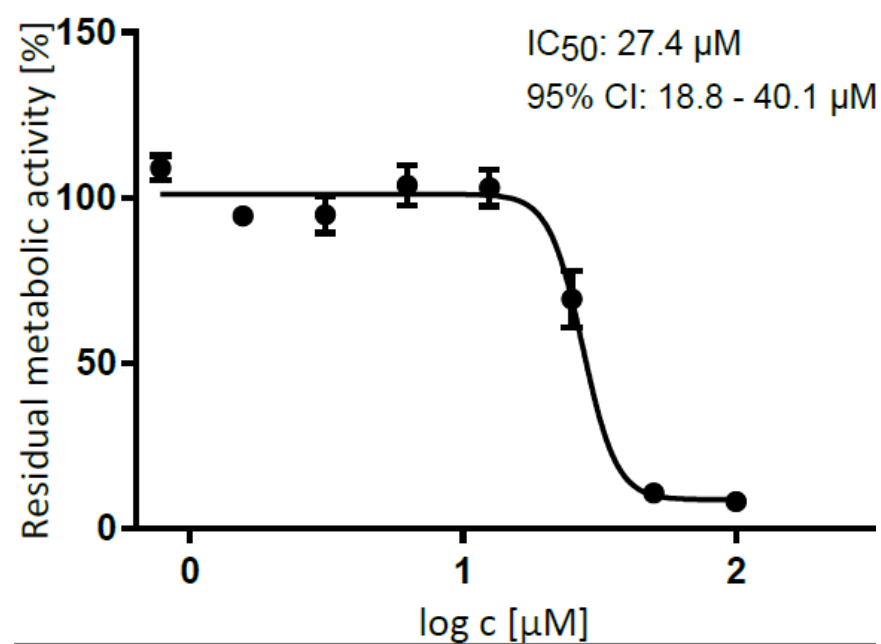


Figure S27. Dose-response curve of 4^{Dipp} in HeLa.

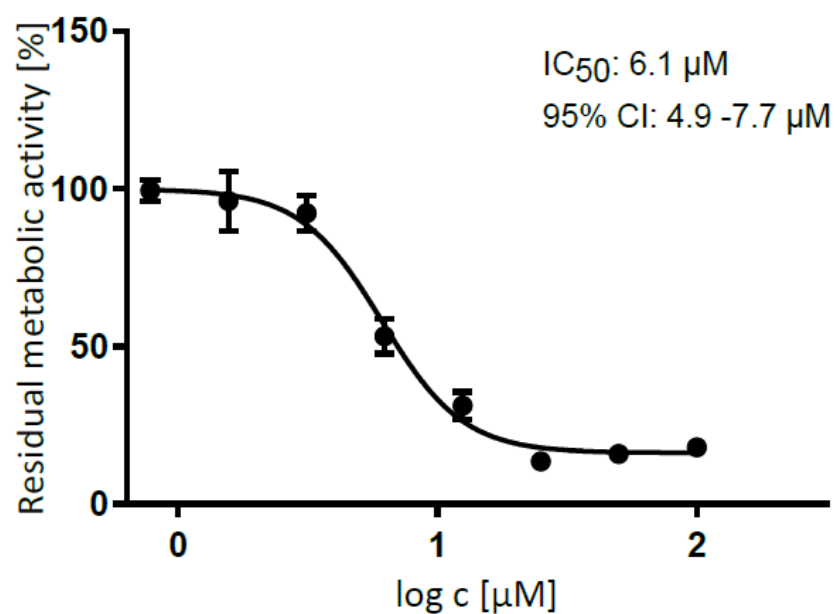


Figure 28. Dose-response curve of **2^{MMC}** in HeLa.

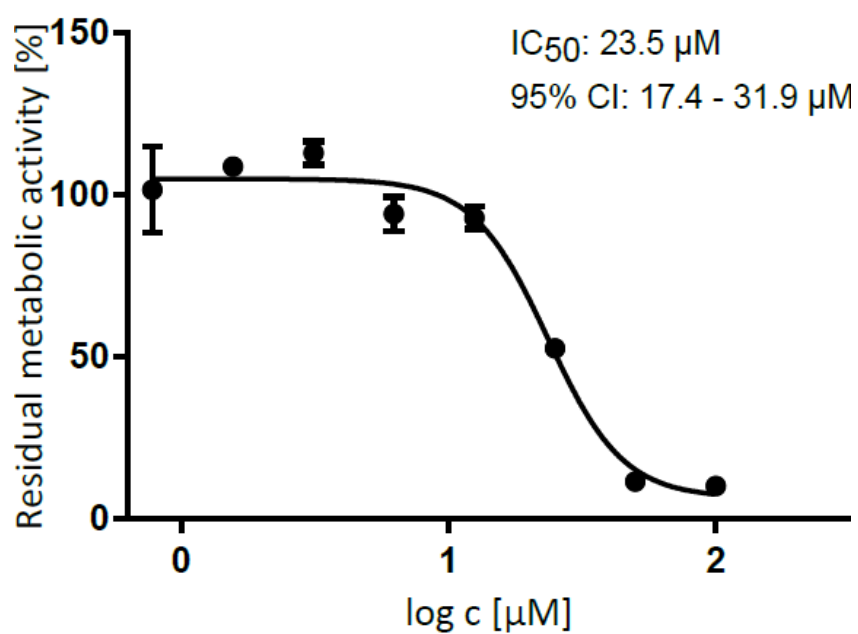


Figure S29. Dose-response curve of **1^{Dipp}** in MCF-7.

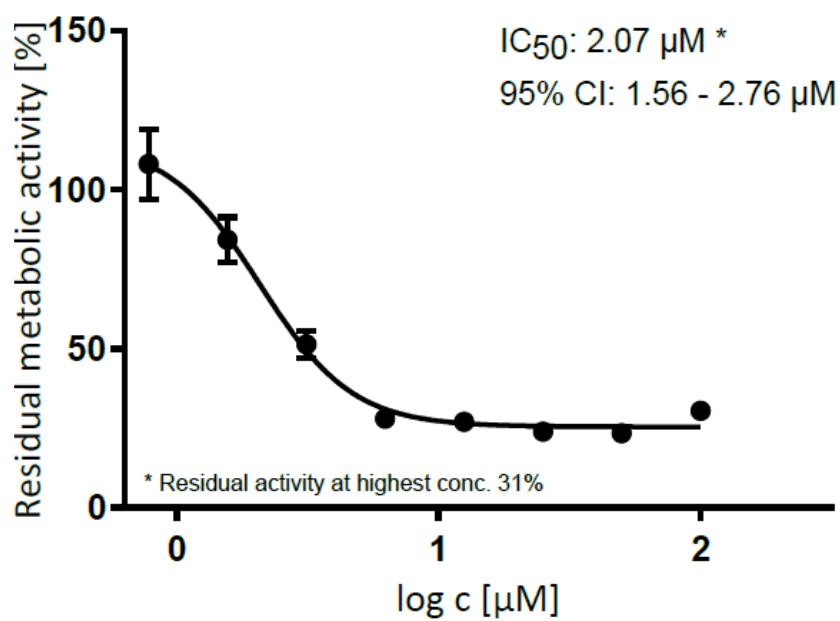


Figure S30. Dose-response curve of **2^{Dipp}** in MCF-7.

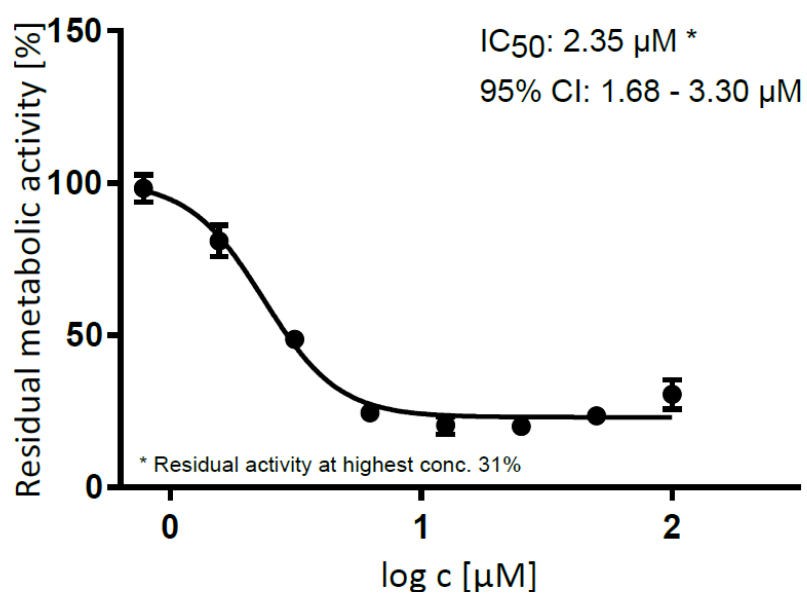


Figure S31. Dose-response curve of **3^{Dipp}** in MCF-7.

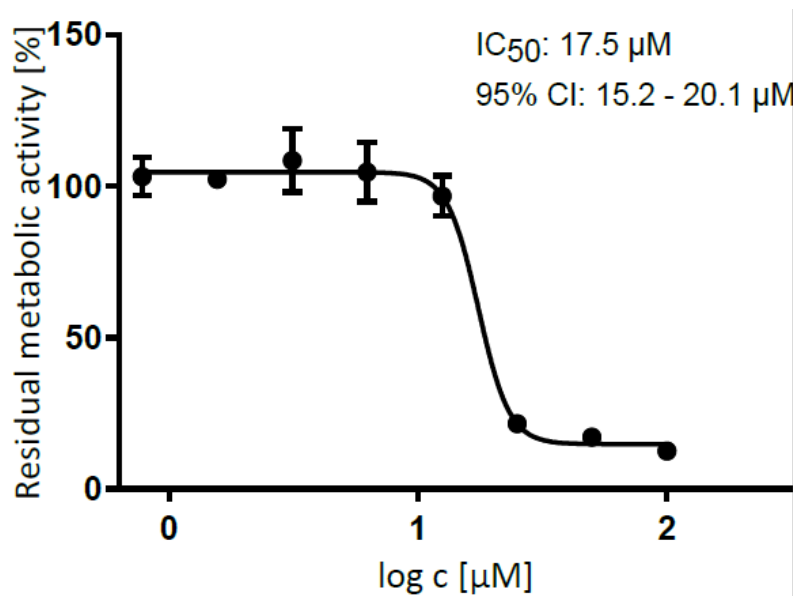


Figure S32. Dose-response curve of 4^{Dipp} in MCF-7.

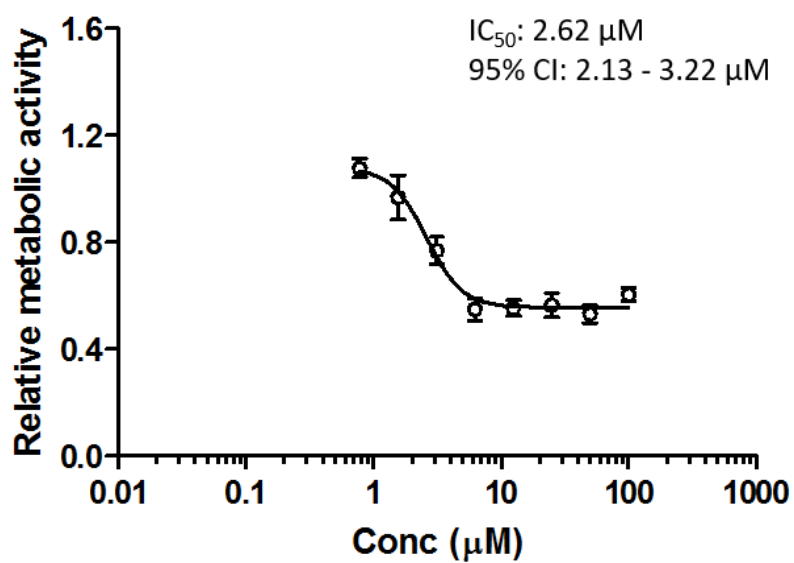


Figure S33. Dose-response curve of 2^{Dipp} in HaCaT.

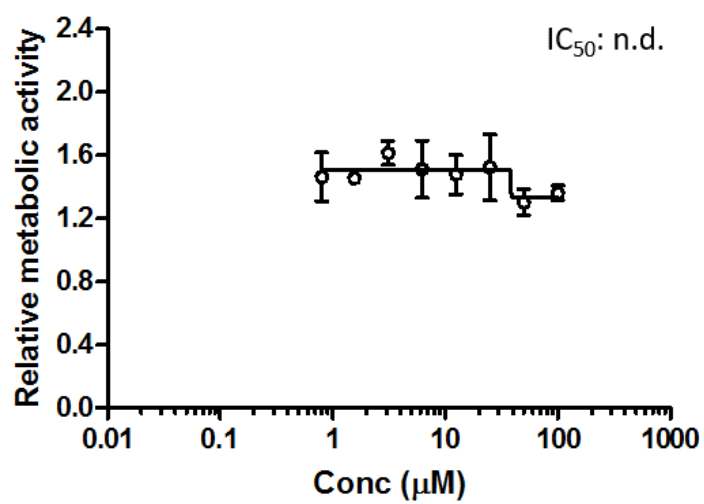


Figure S34. Dose-response curve of 2^{MMC} in HaCaT.

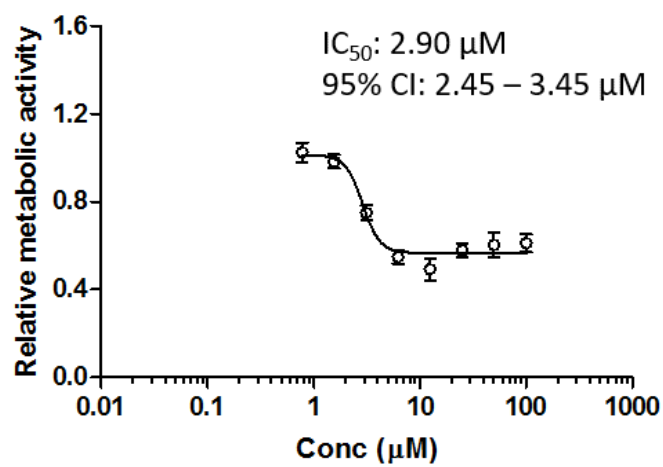


Figure S35. Dose-response curve of 3^{Dipp} in HaCaT.