# A potent fluorescent derivative of 8-hydroxyquinoline suggests cell wall damage as a possible mechanism of antifungal action of the 8-hydroxyquinoline class

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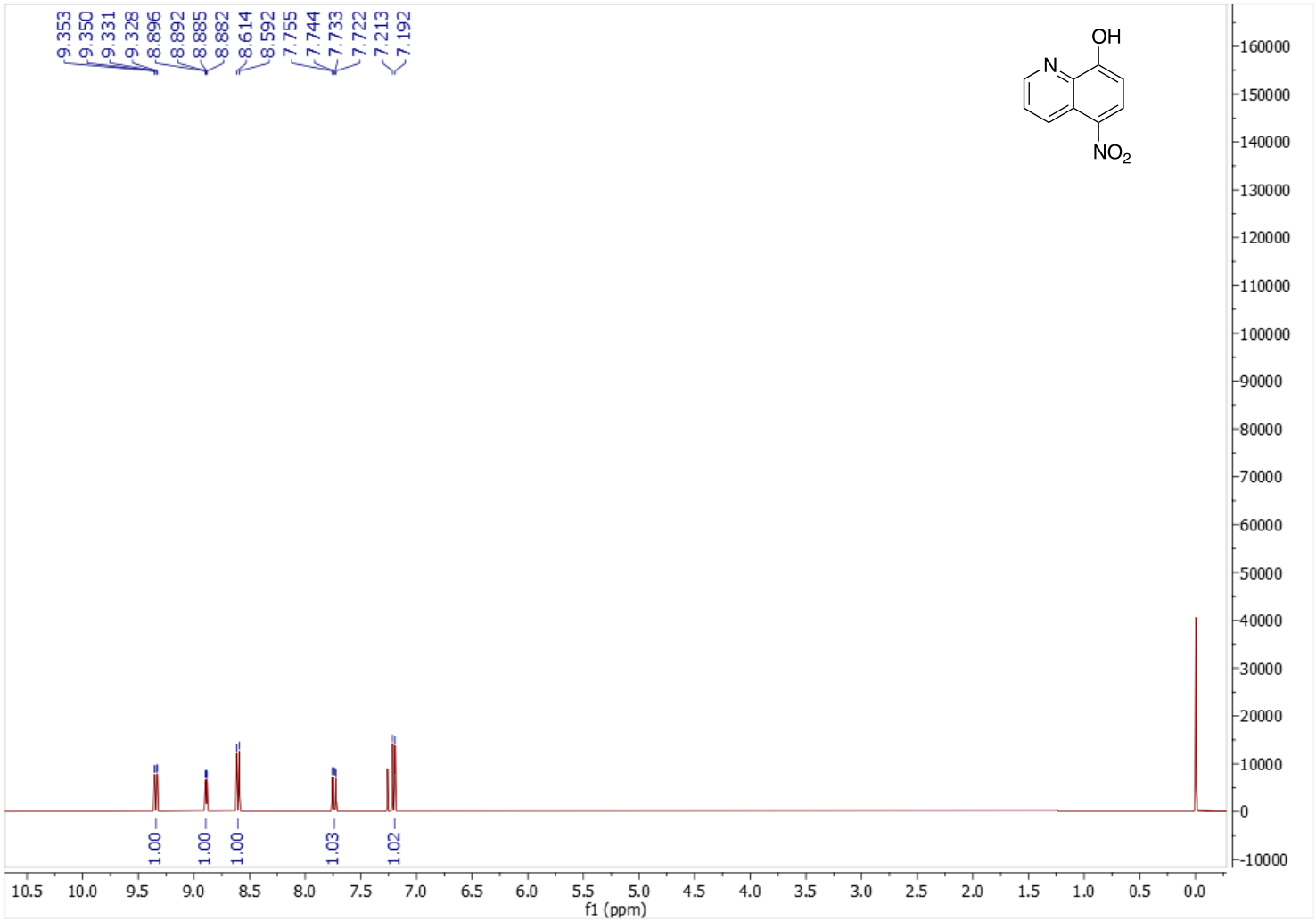



**Figure S1.** [1]H NMR of 5-nitro-8-hydroxyquinoline.

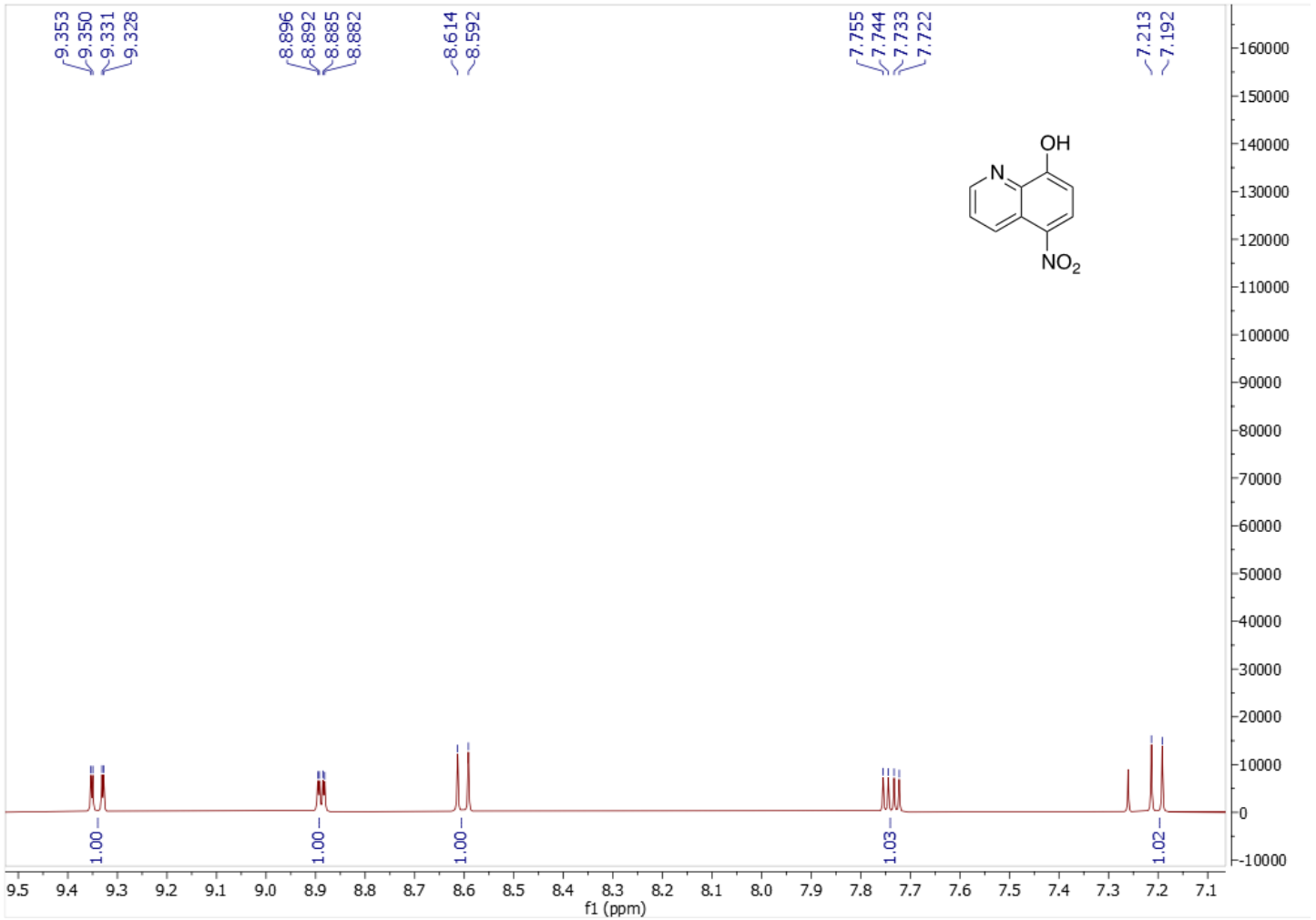



**Figure S2**· Zoom of the $^{1}H$ NMR of 5-nitro-8-hydroxyquinoline spectrum.

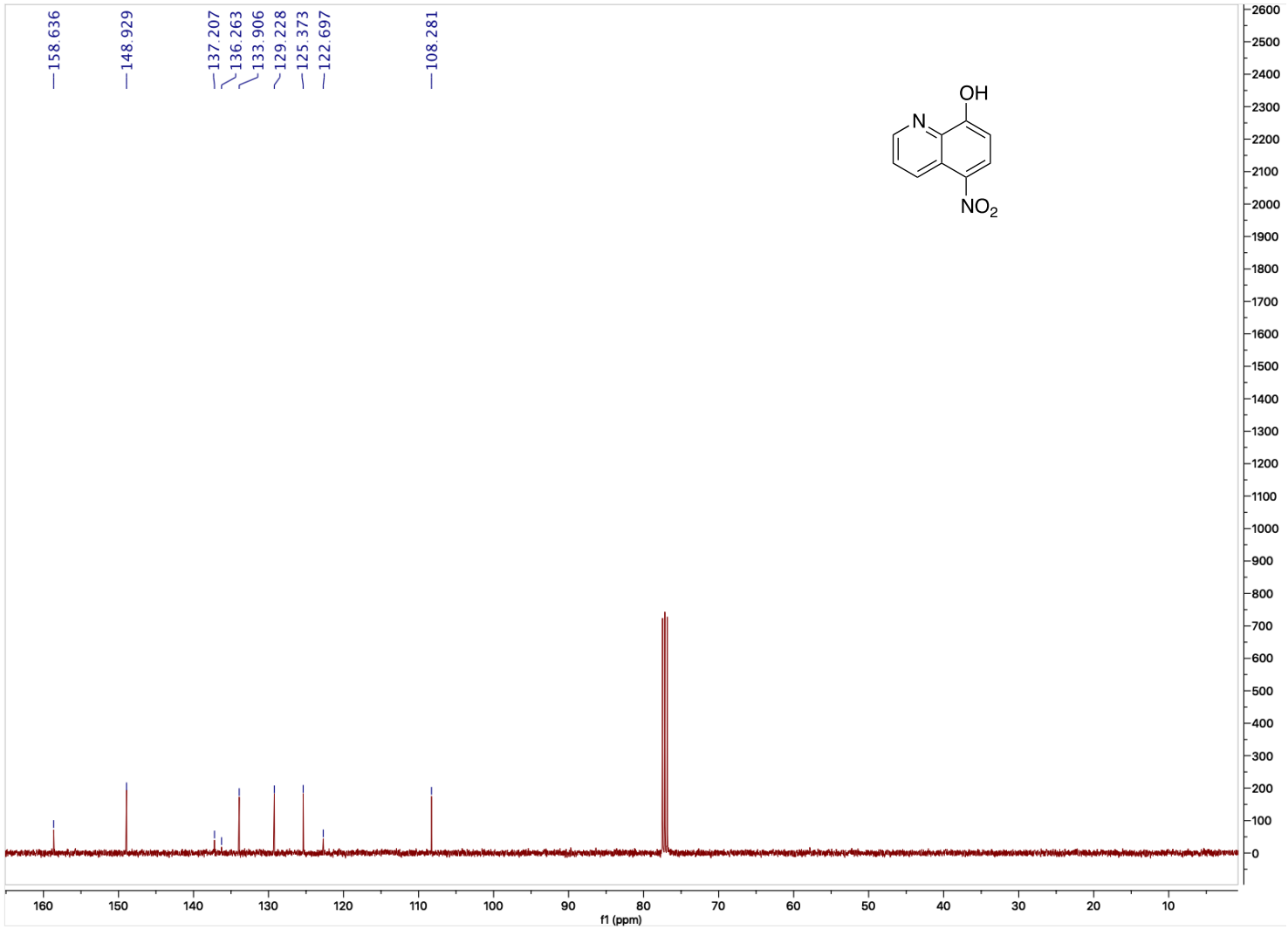



**Figure S3.** $^{13}$C NMR of 5-nitro-8-hydroxyquinoline.

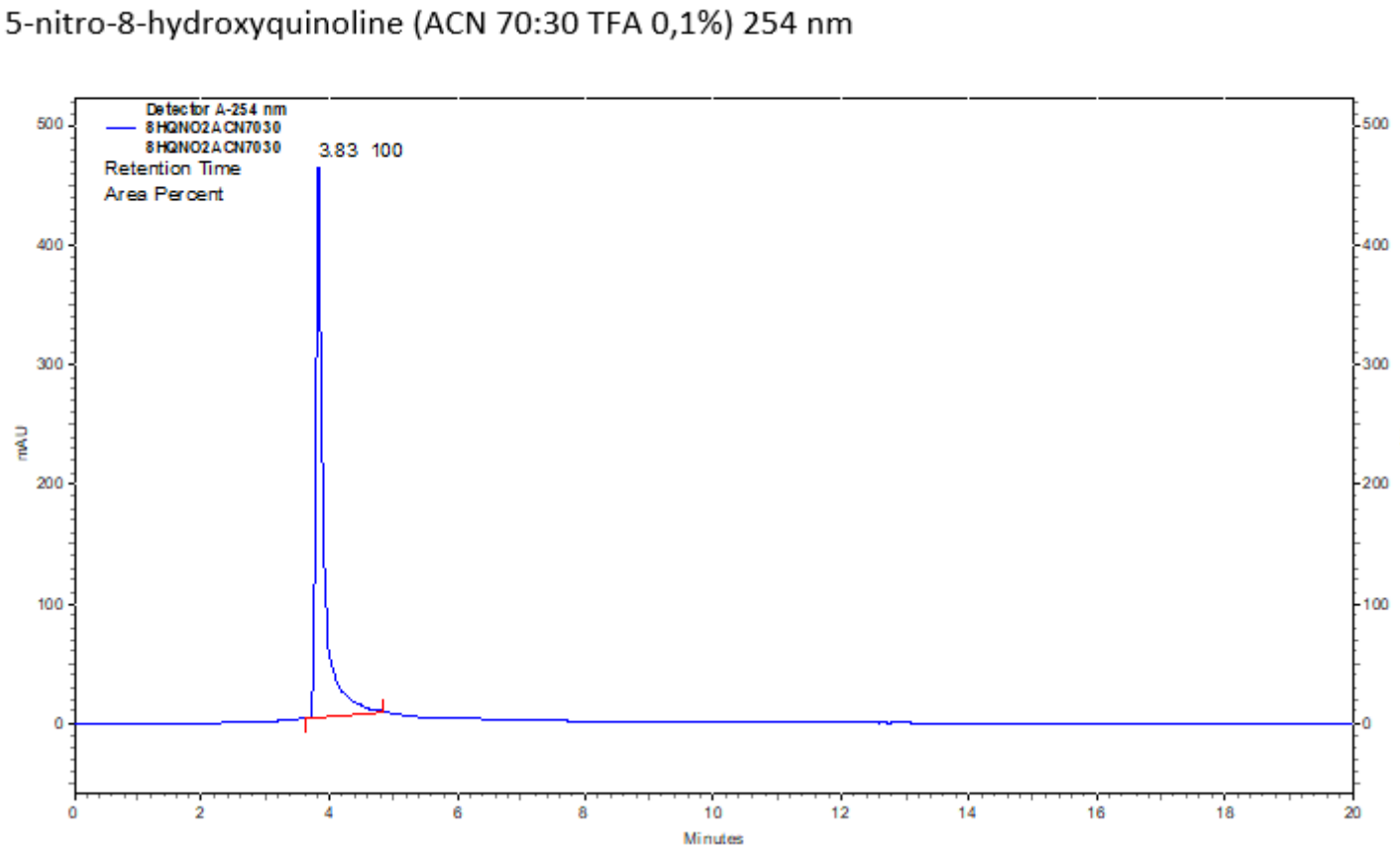



**Figure S4.** HPLC trace of 5-nitro-8-hydroxyquinoline.

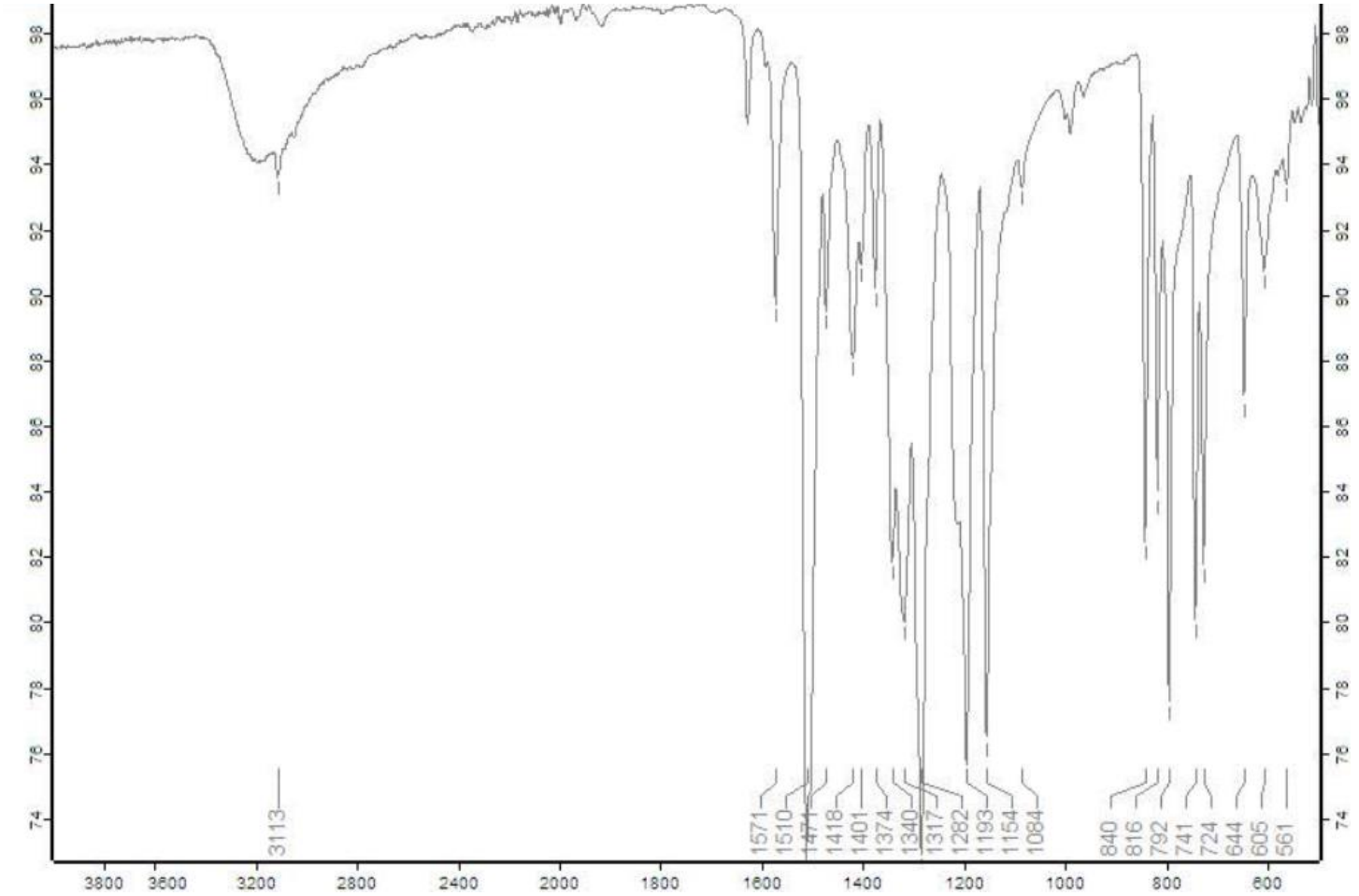



**Figure S5.** IR spectrum of 5-nitro-8-hydroxyquinoline.

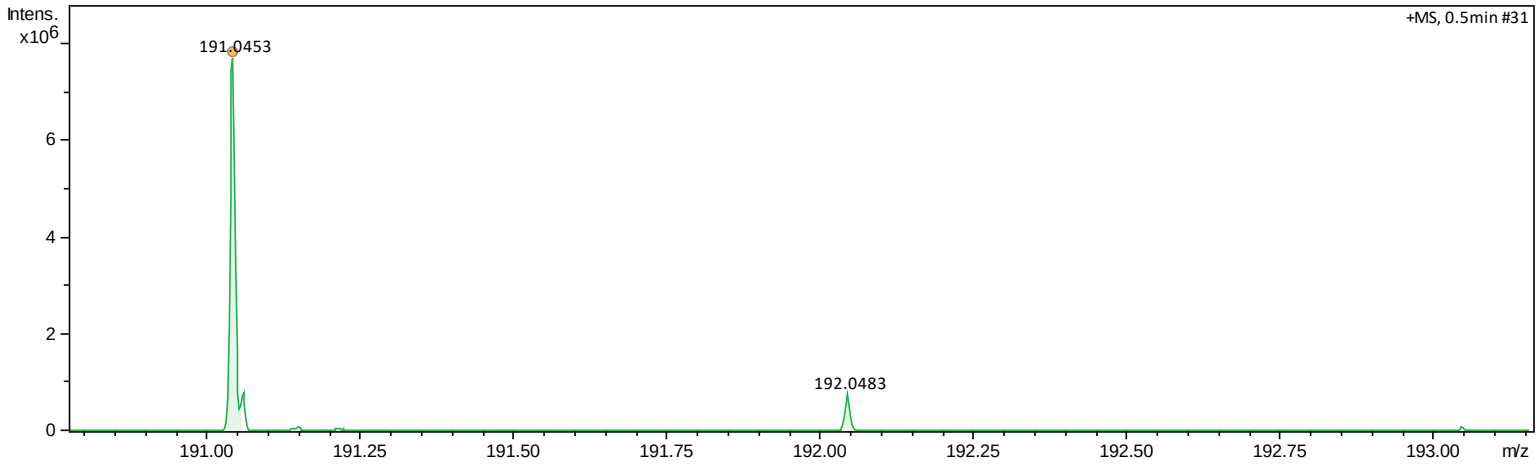



**Figure S6.** HRMS spectrum of 5-nitro-8-hydroxyquinoline.

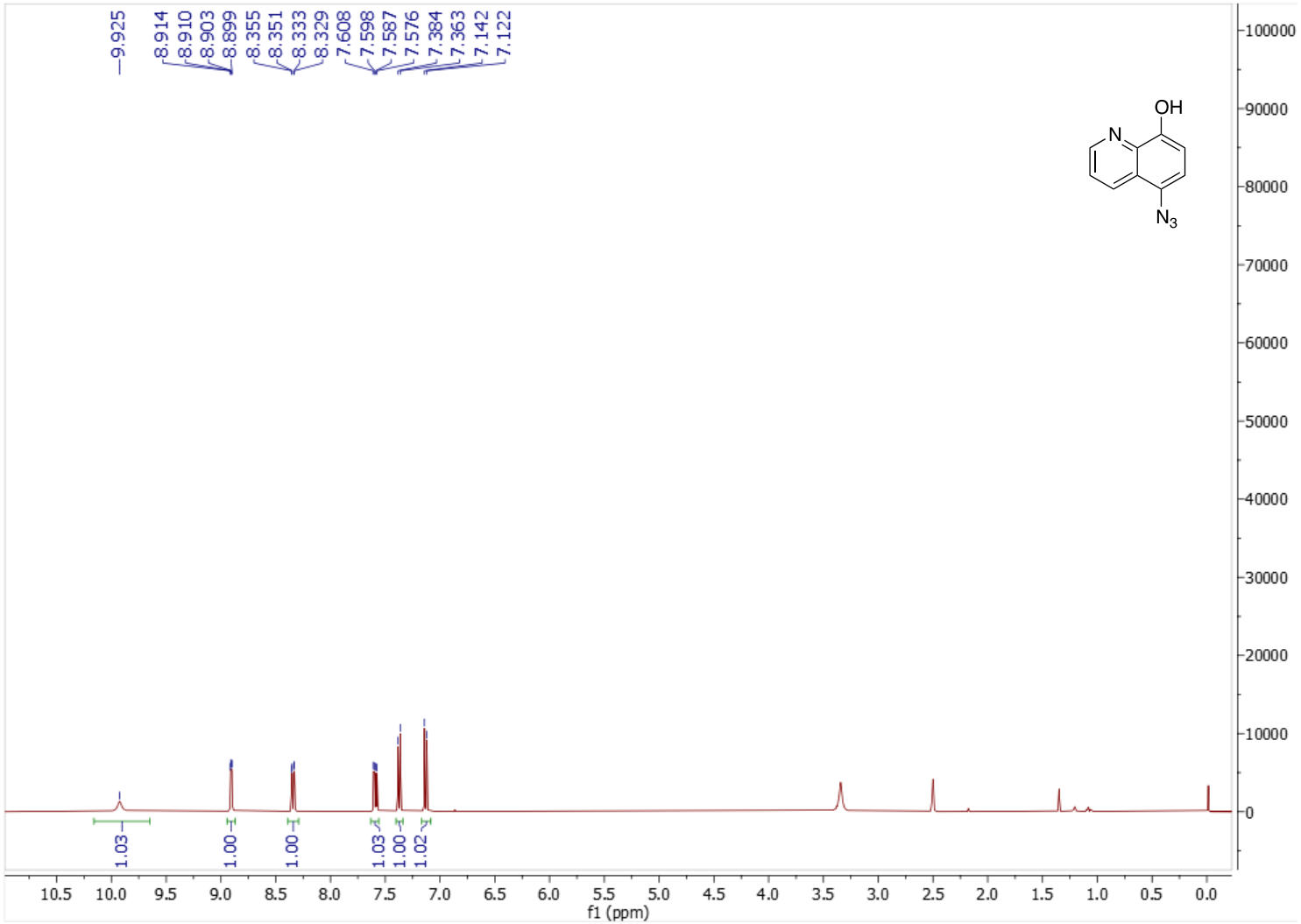



**Figure S7.** [1]H NMR of 5-azide-8-hydroxyquinoline spectrum.

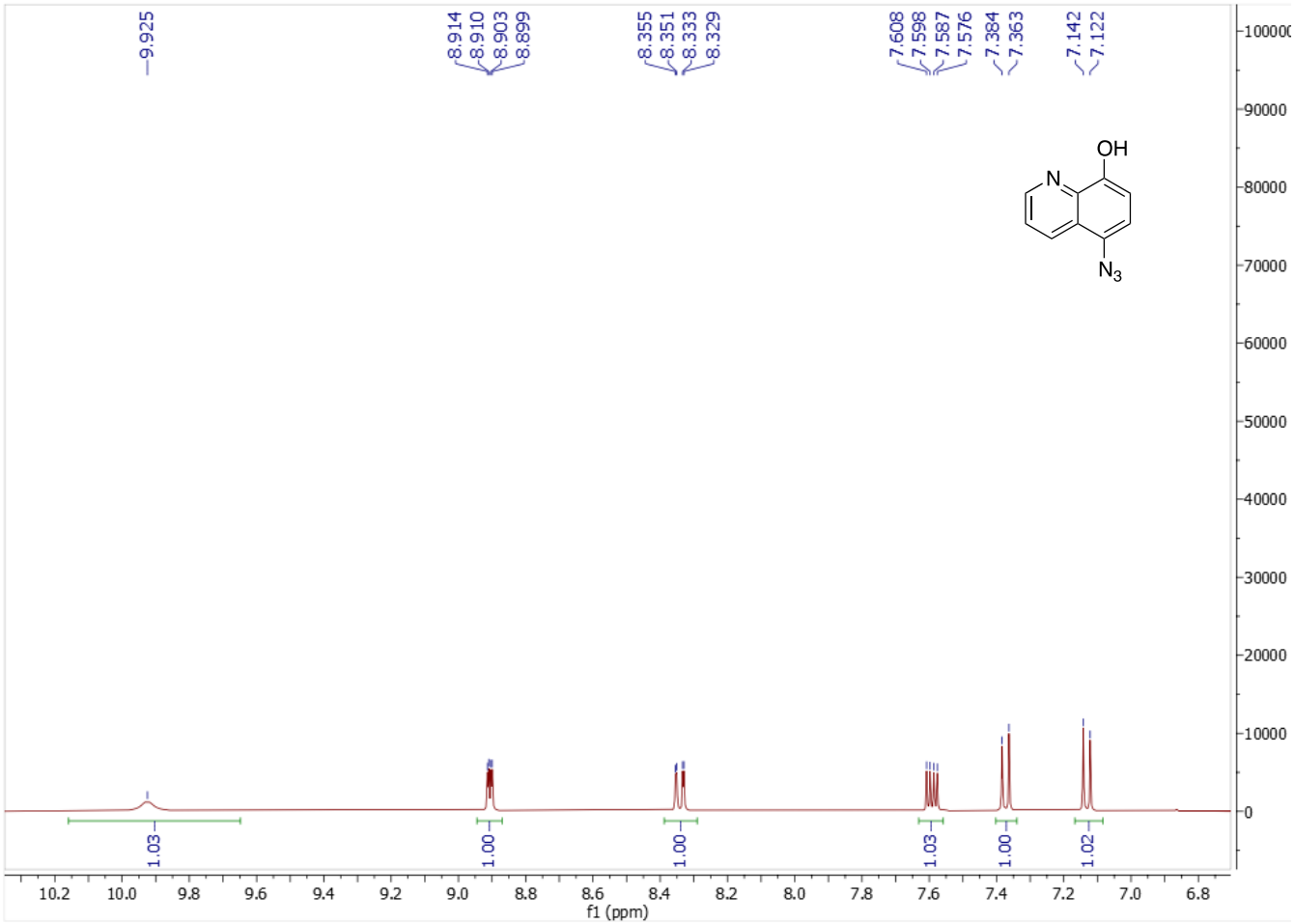



**Figure S8.** Zoom of the $^{1}H$ NMR of 5-azide-8-hydroxyquinoline spectrum.

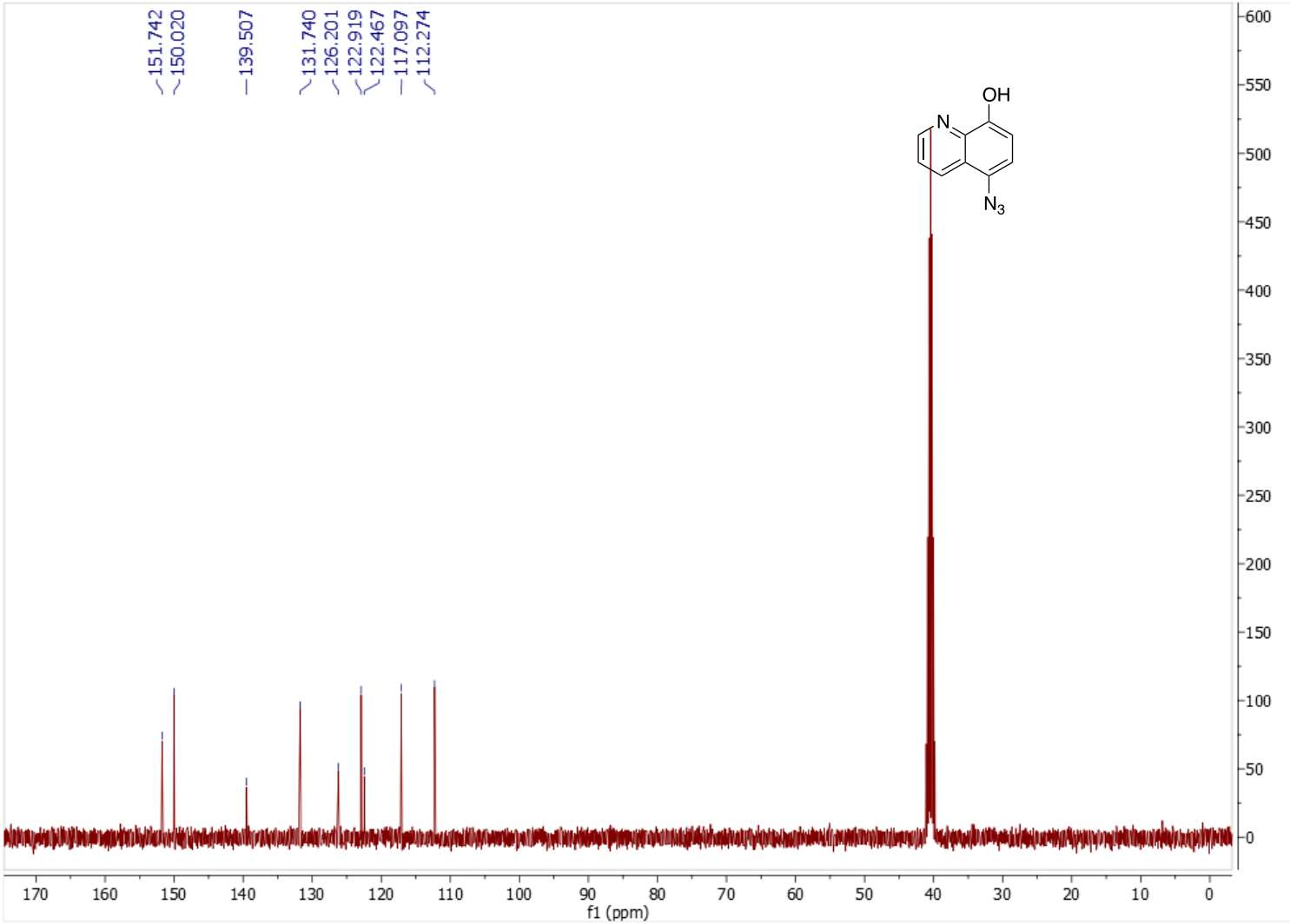



**Figure S9.** $^{13}C$ NMR of 5-azide-8-hydroxyquinoline spectrum.

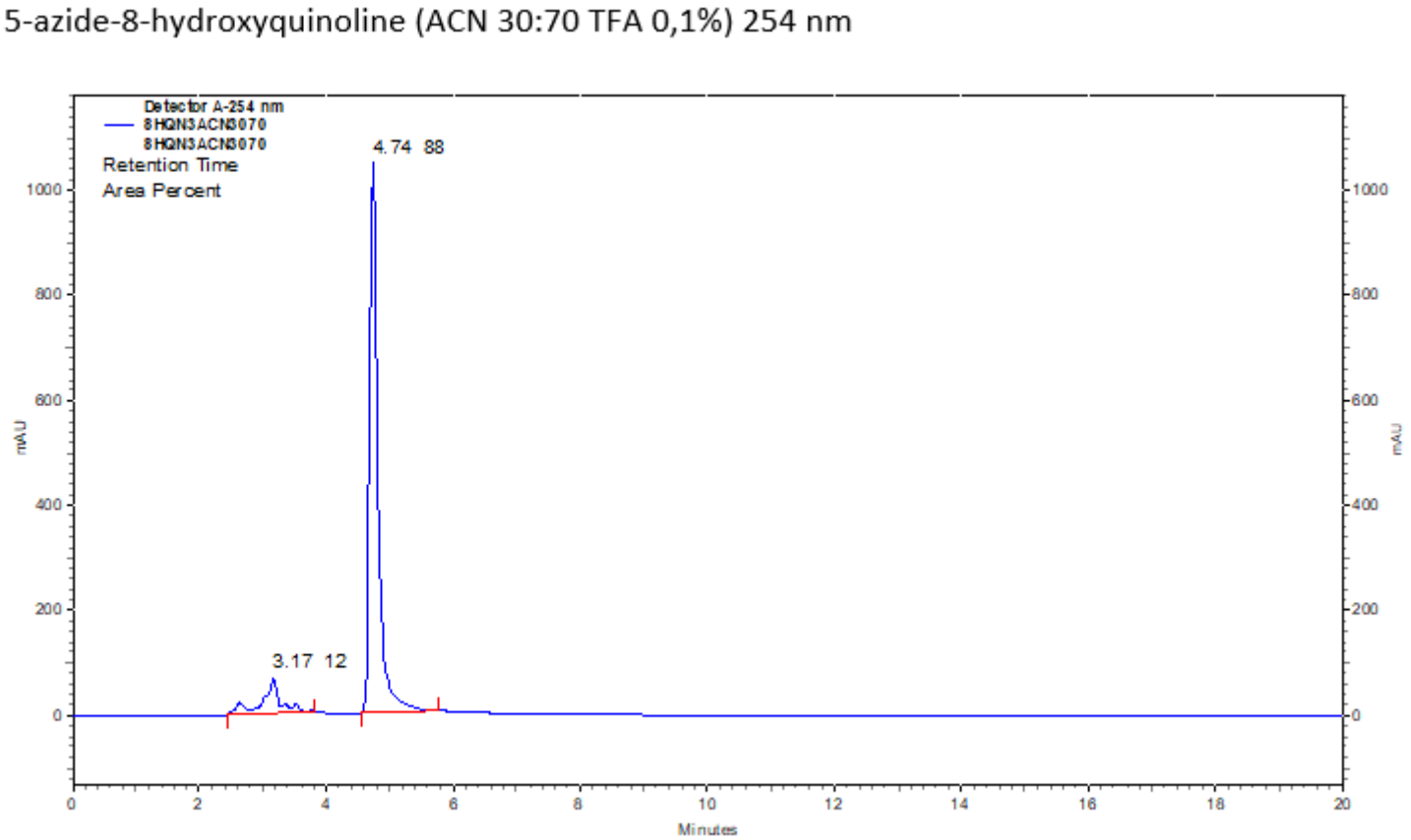



**Figure S10.** HPLC trace of 5-azide-8-hydroxyquinoline.

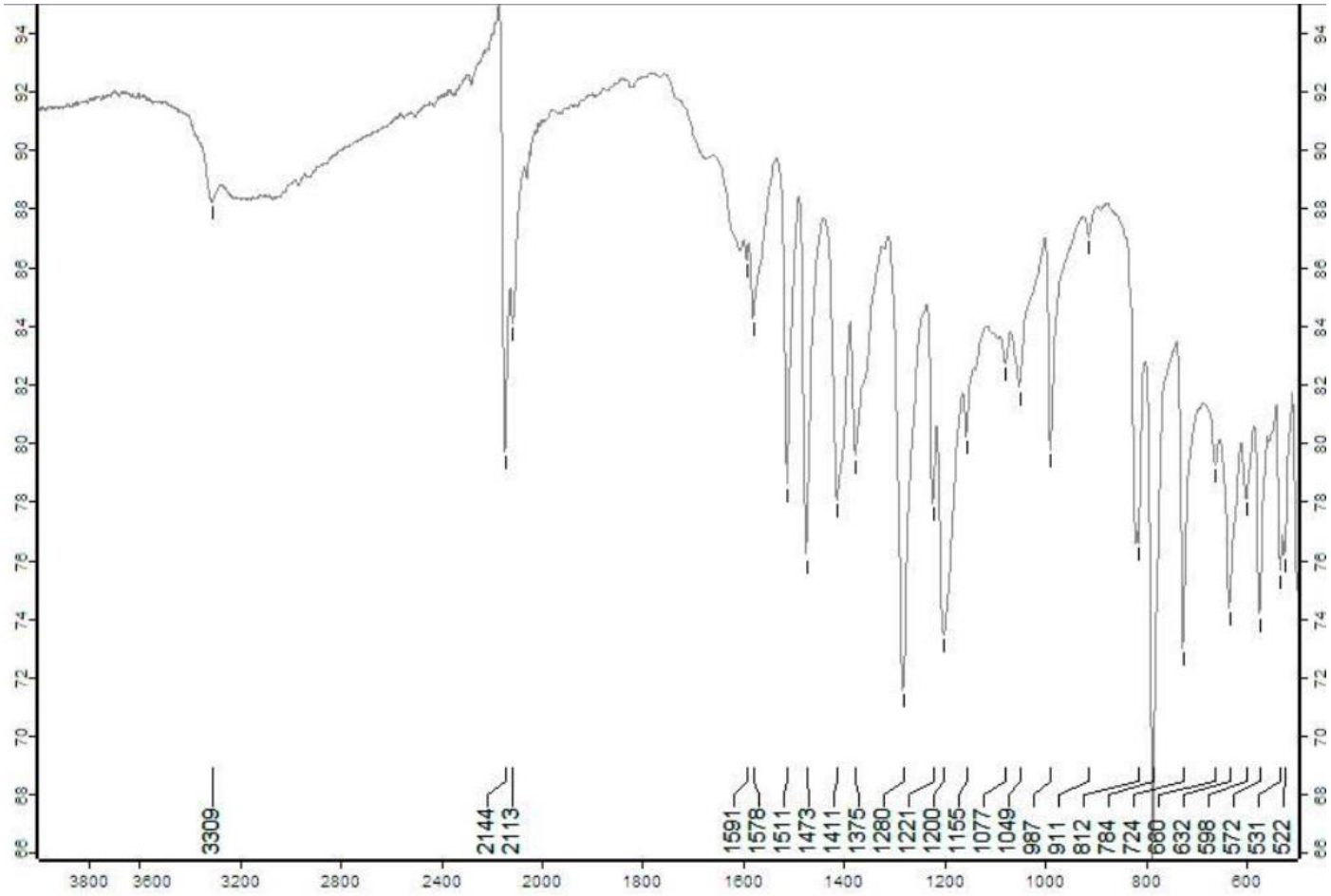



**Figure S11.** IR spectrum of 5-azide-8-hydroxyquinoline.

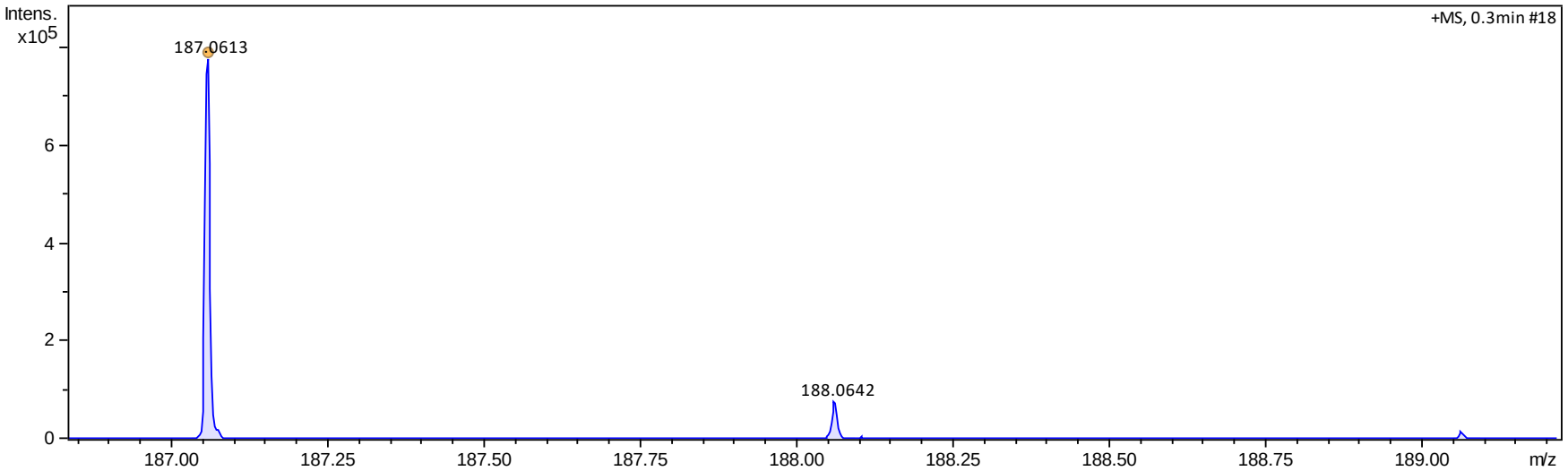



**Figure S12.** HRMS spectrum of 5-azide-8-hydroxyquinoline.

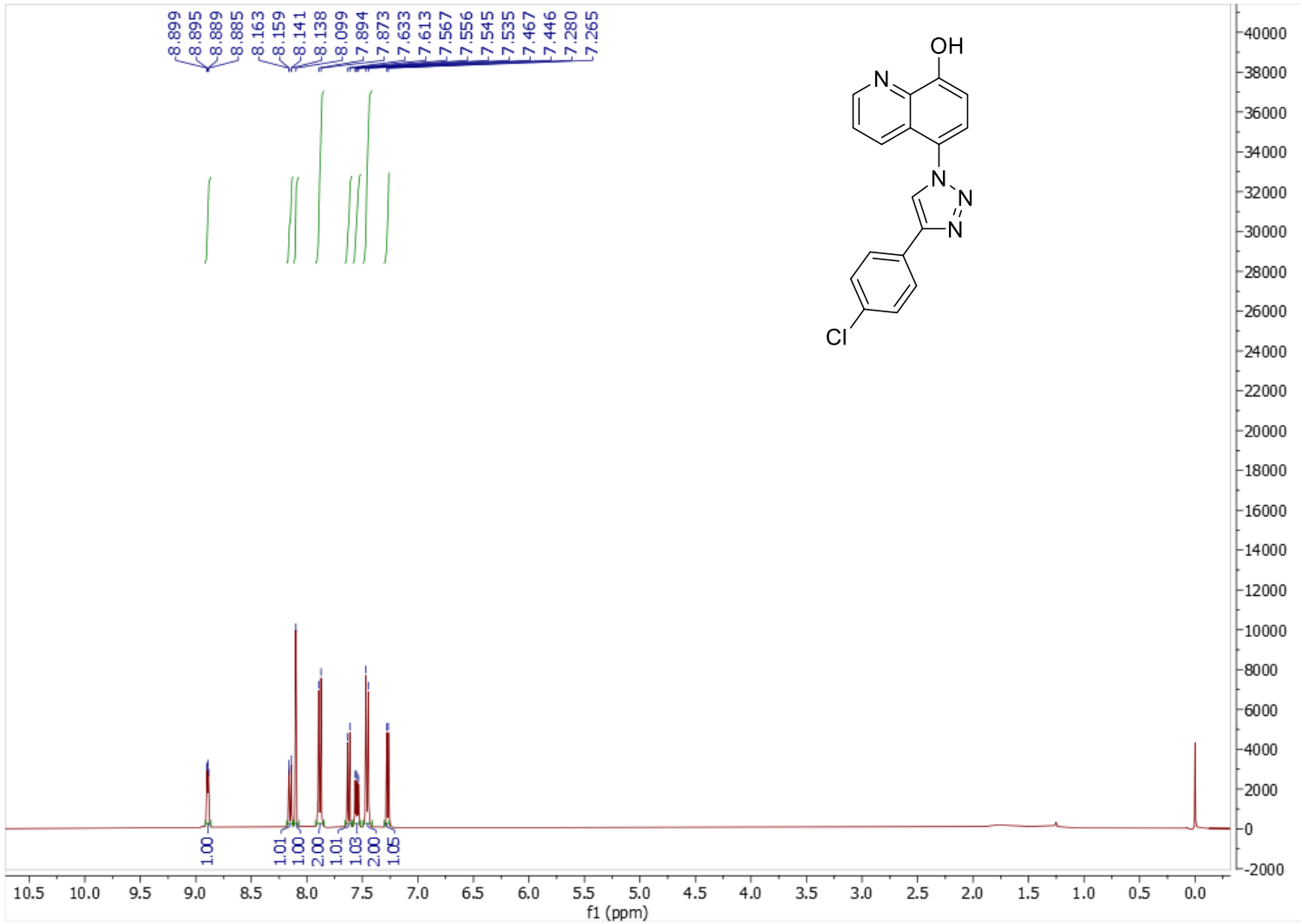



**Figure S13.** $^{1}$H NMR of 5-(4-(4-chlorophenyl)-1H-1,2,3-triazol-1-yl)quinoline-8-ol spectrum.

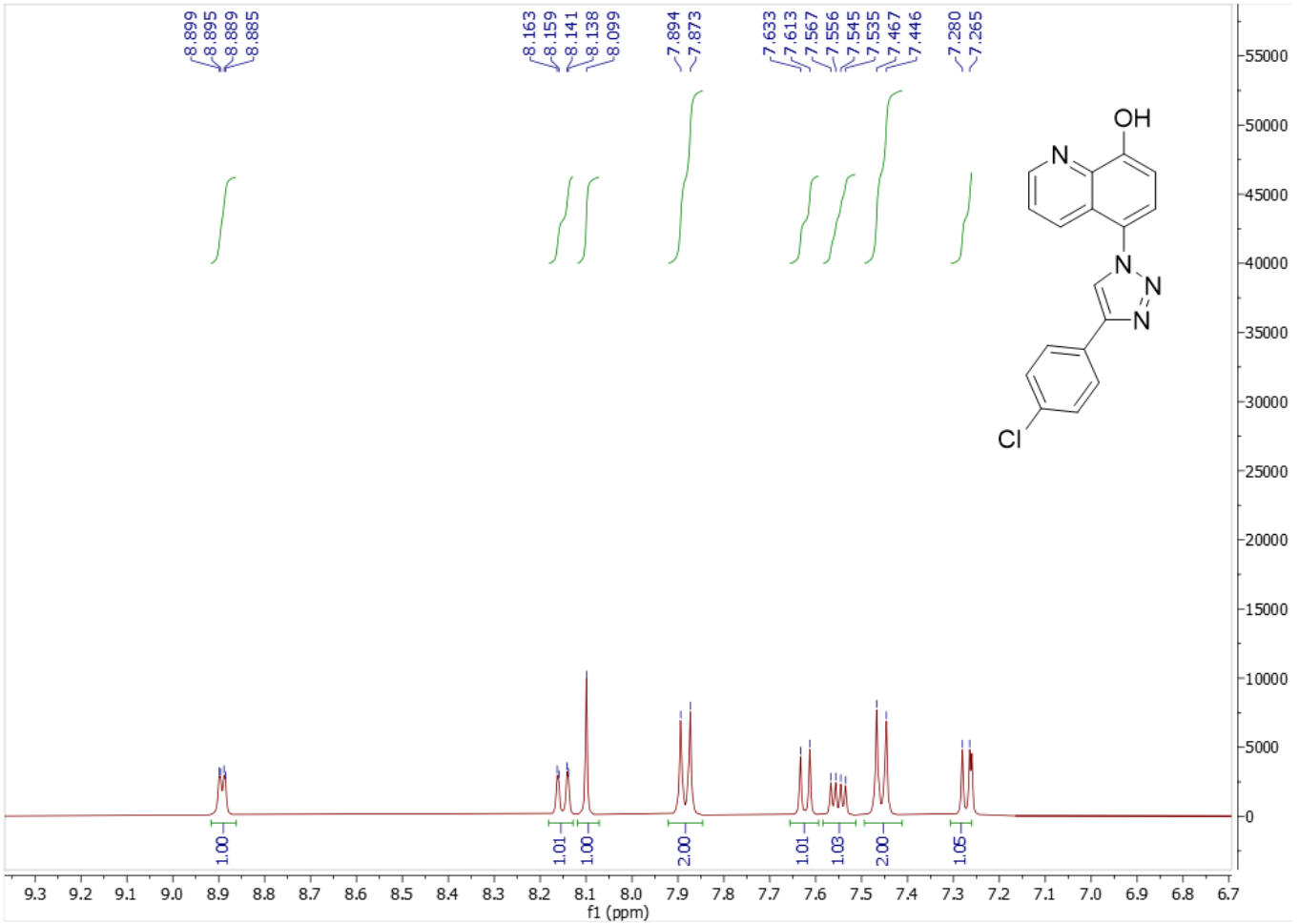



**Figure S14.** Zoom of the $^{1}$H NMR of 5-(4-(4-chlorophenyl)-1H-1,2,3-triazol-1-yl)quinoline-8-ol spectrum.

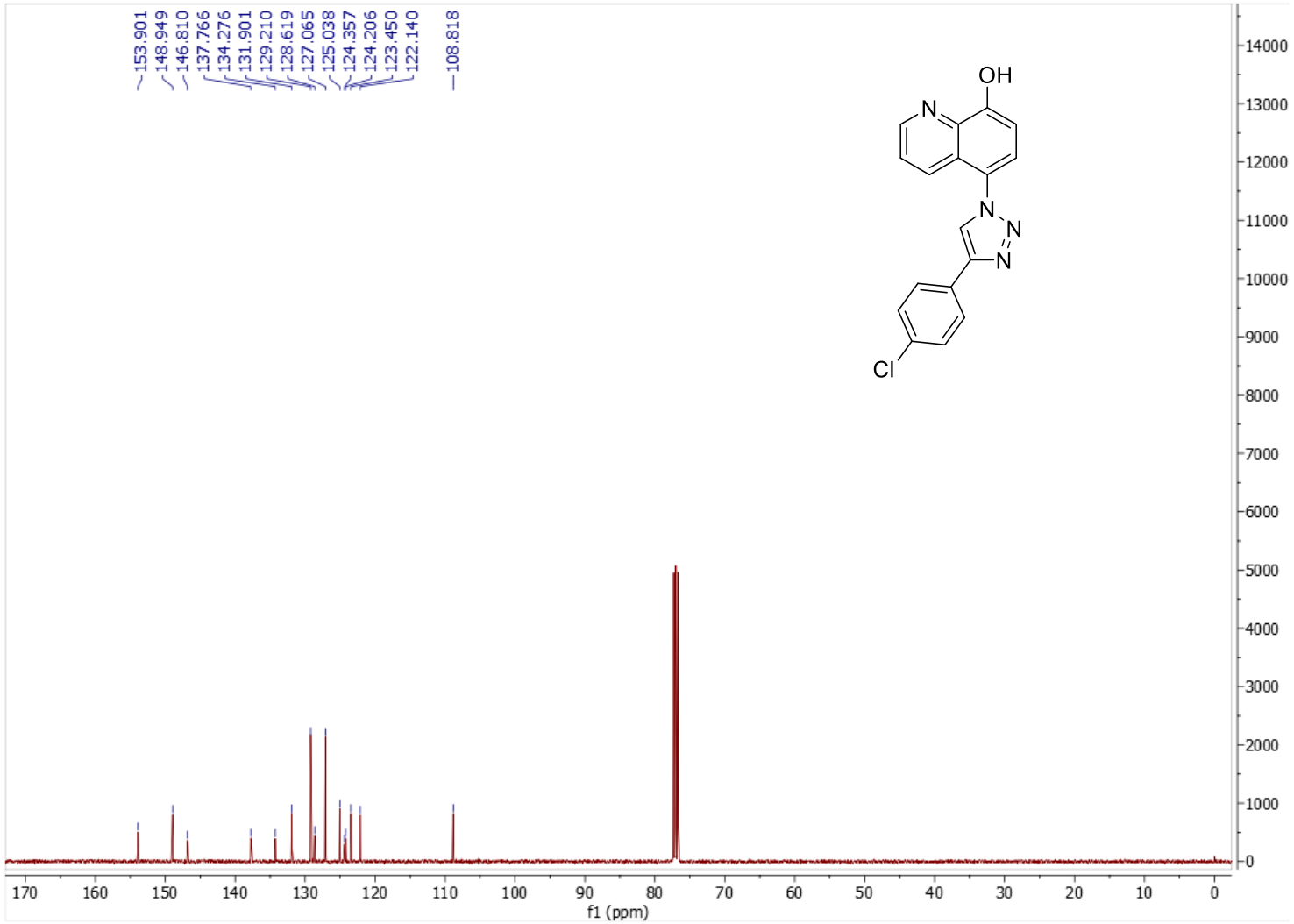



**Figure S15.** $^{13}C$ NMR of 5-(4-(4-chlorophenyl)-1H-1,2,3-triazol-1-yl)quinoline-8-ol spectrum.

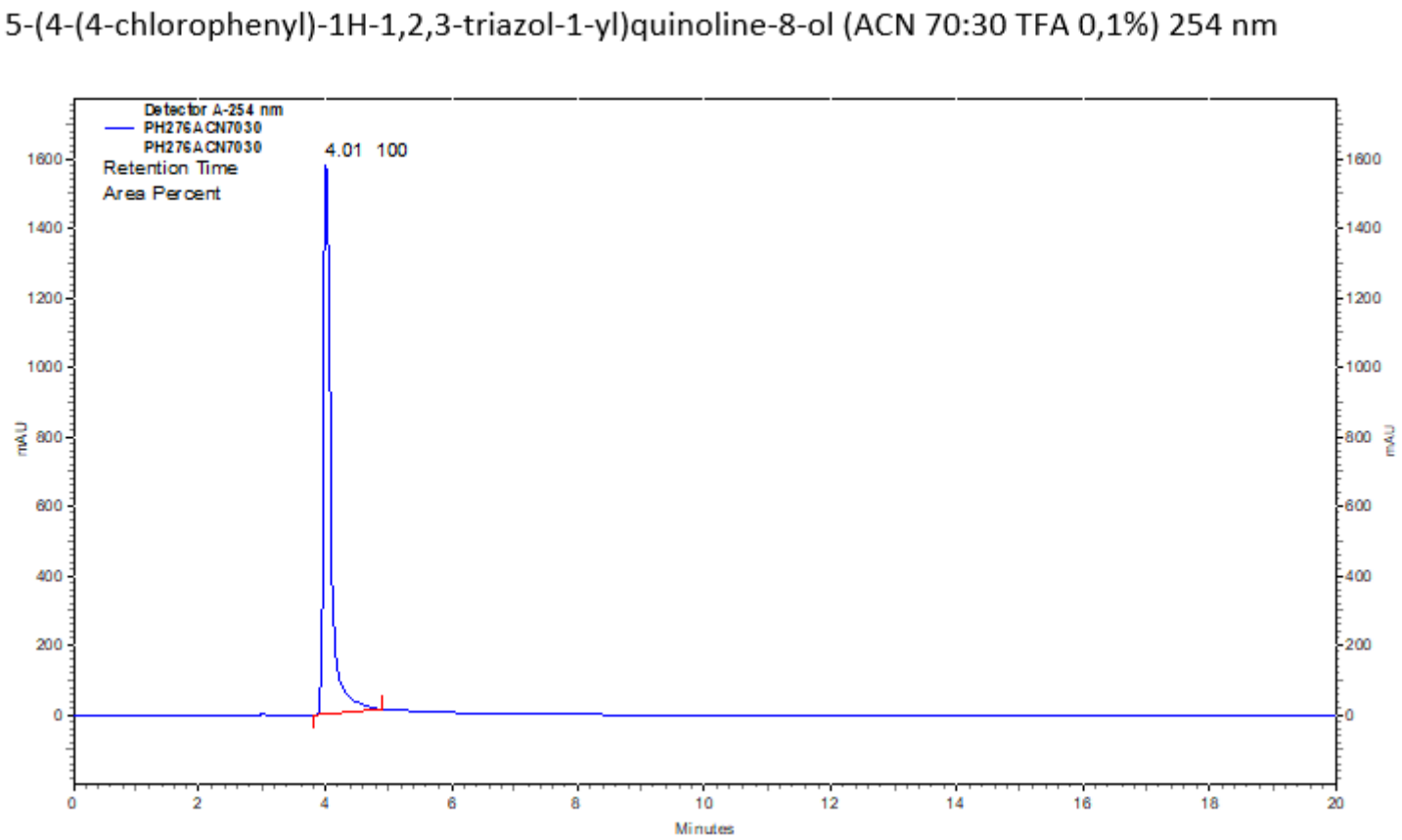



**Figure S16.** HPLC trace of 5-(4-(4-chlorophenyl)-1H-1,2,3-triazol-1-yl)quinoline-8-ol.

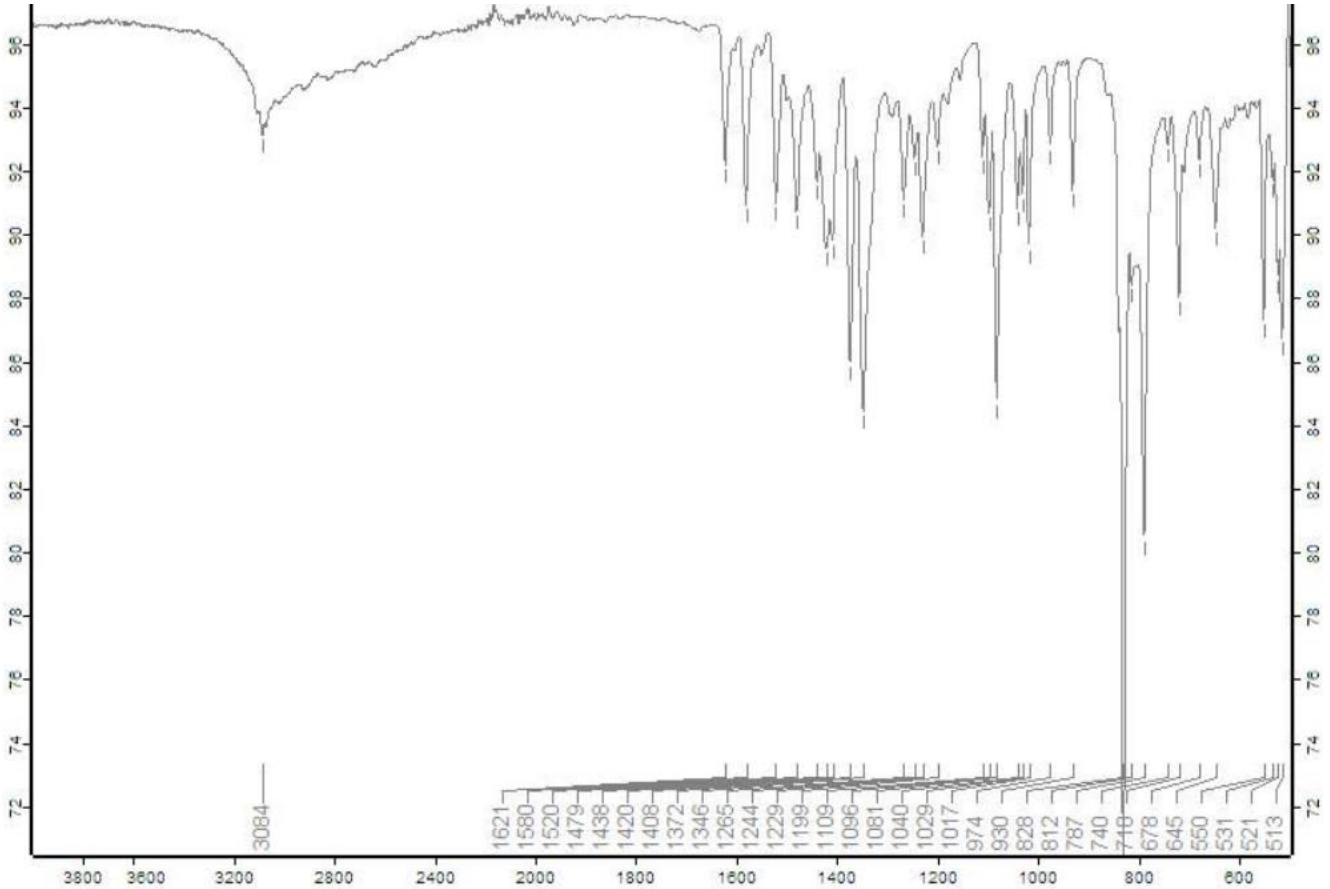



**Figure S17.** IR spectrum of 5-(4-(4-chlorophenyl)-1H-1,2,3-triazol-1-yl)quinoline-8-ol.

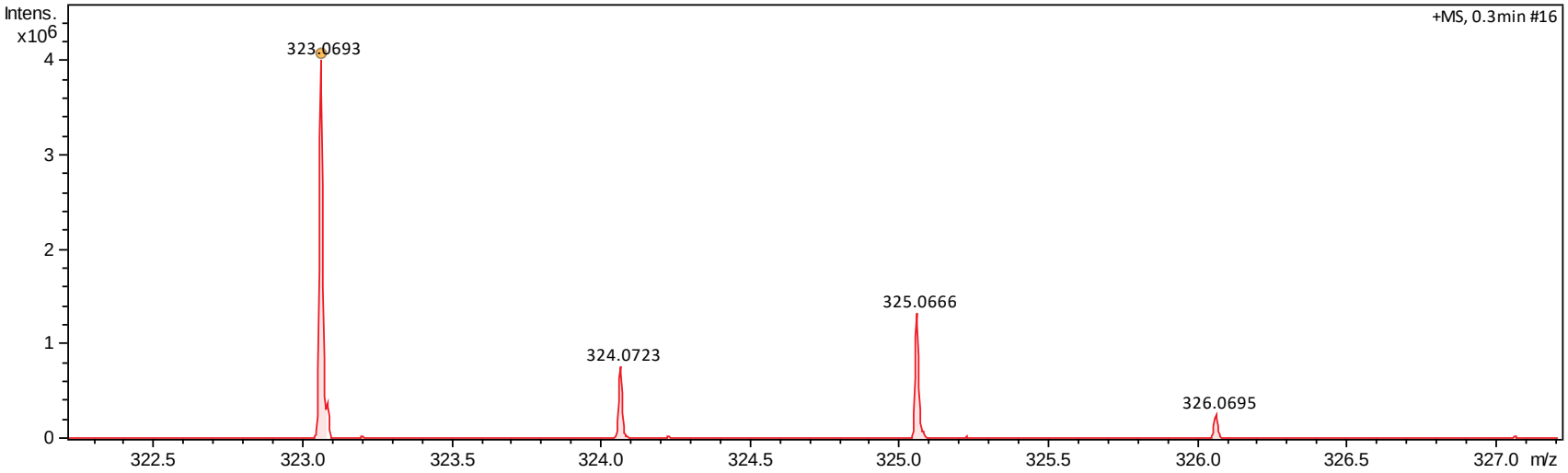



**Figure S18.** HRMS spectrum of 5-(4-(4-chlorophenyl)-1H-1,2,3-triazol-1-yl)quinoline-8-ol.

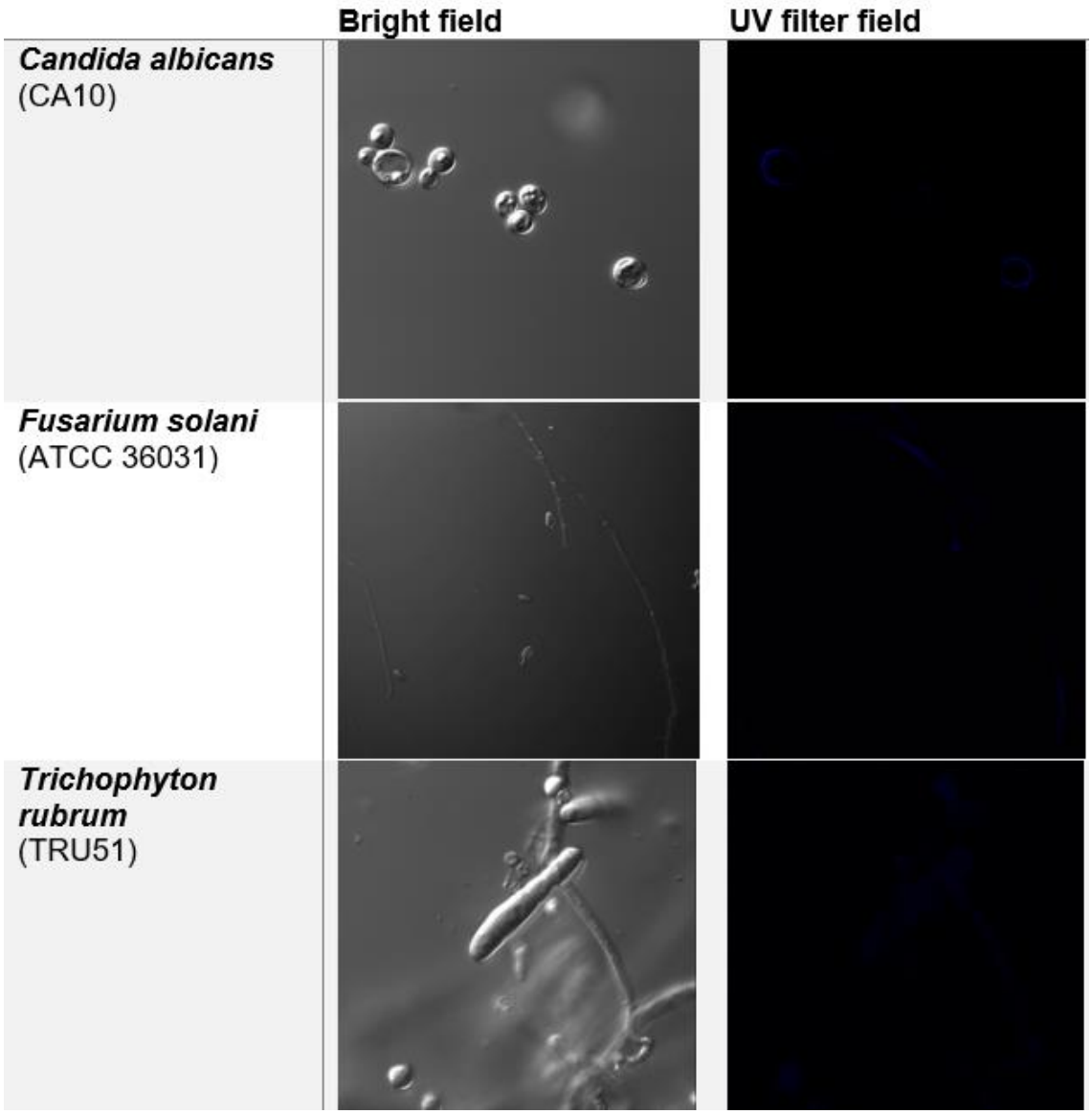



**Figure S19.** Fluorescence microscopy of *Candida albicans, Fusarium solani* and *Trichophyton rubrum* cells untreated in bright field (left) and UV filter (right).