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A novel method for the synthesis of 2-arylquinolin-4(1*H*)-ones

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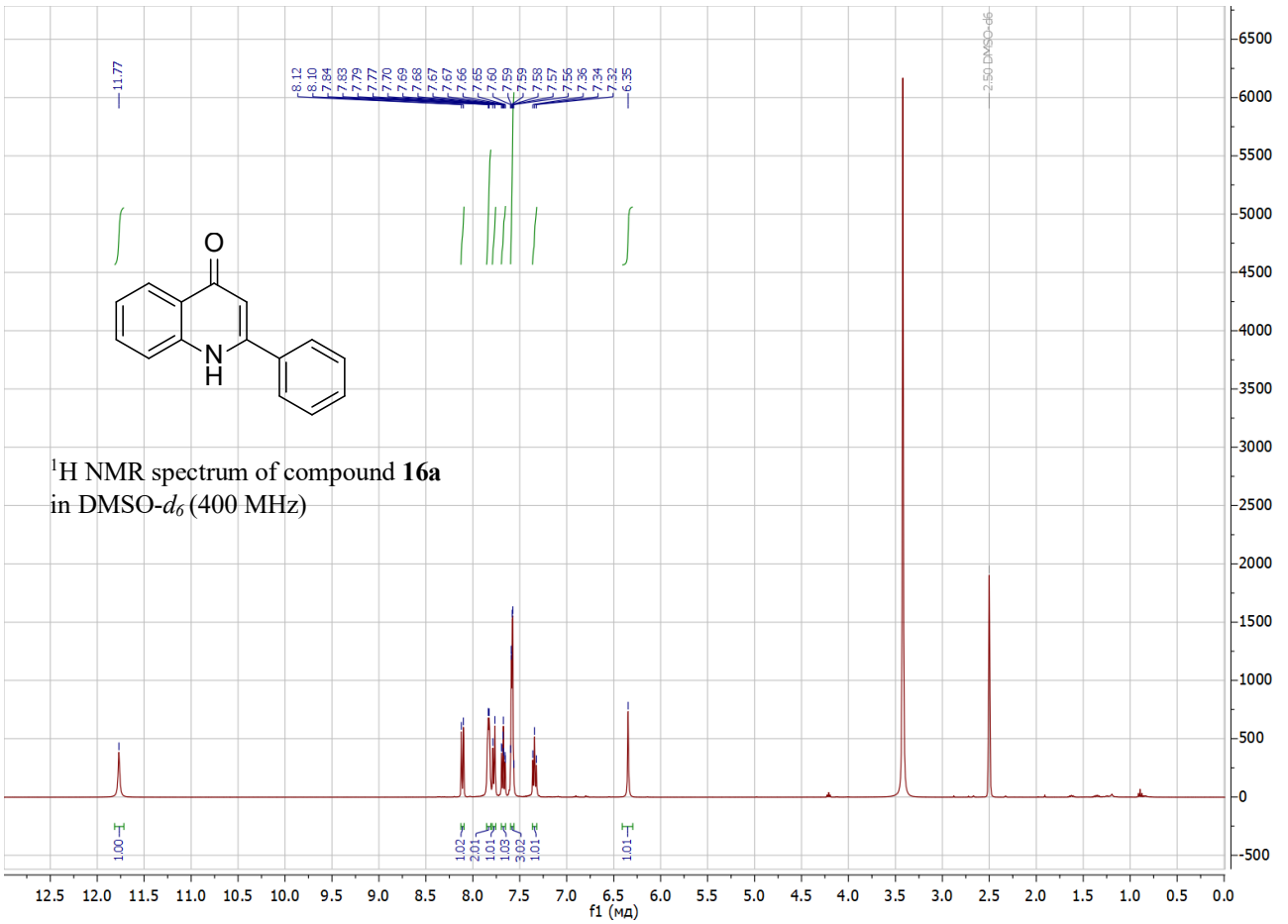
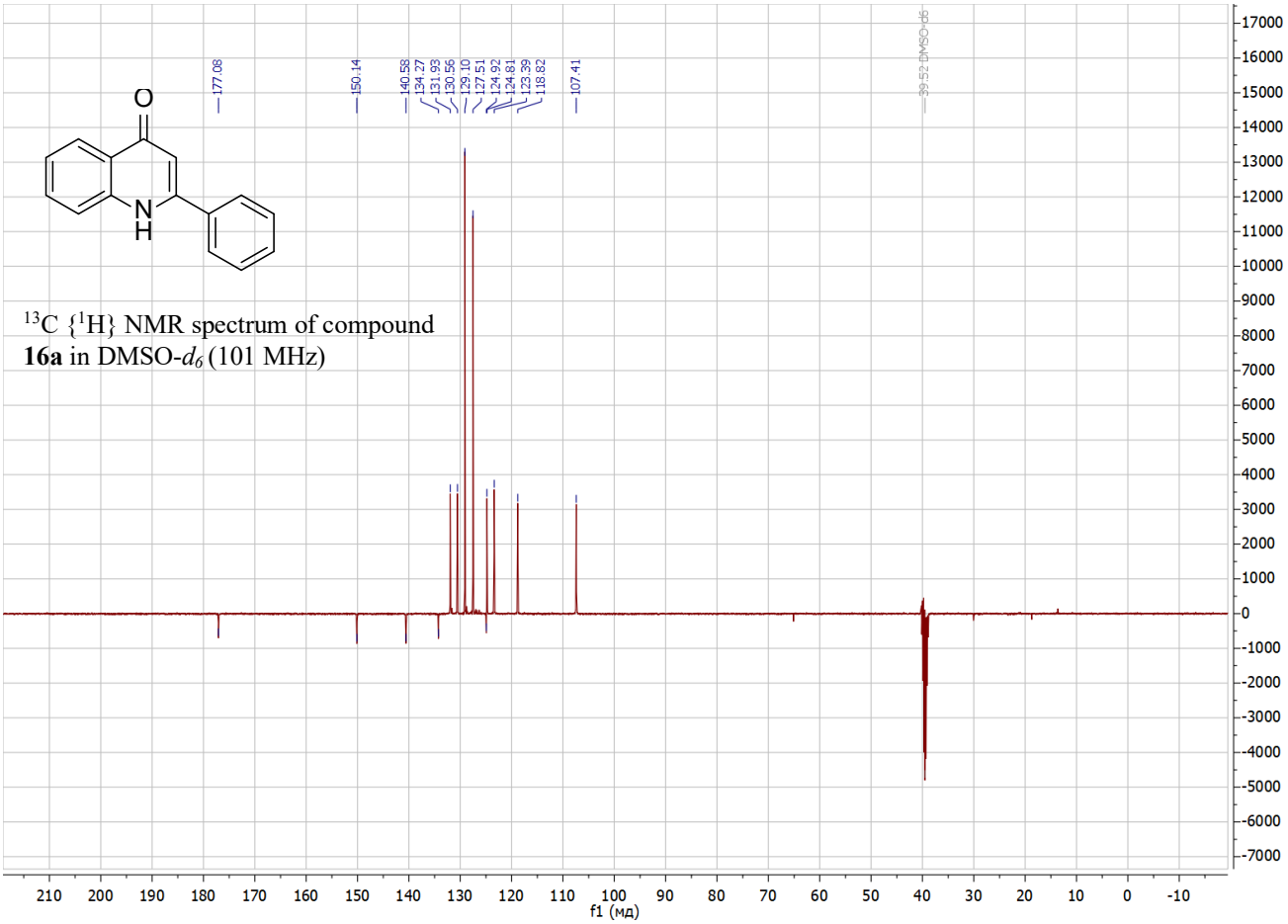
Supplementary Information

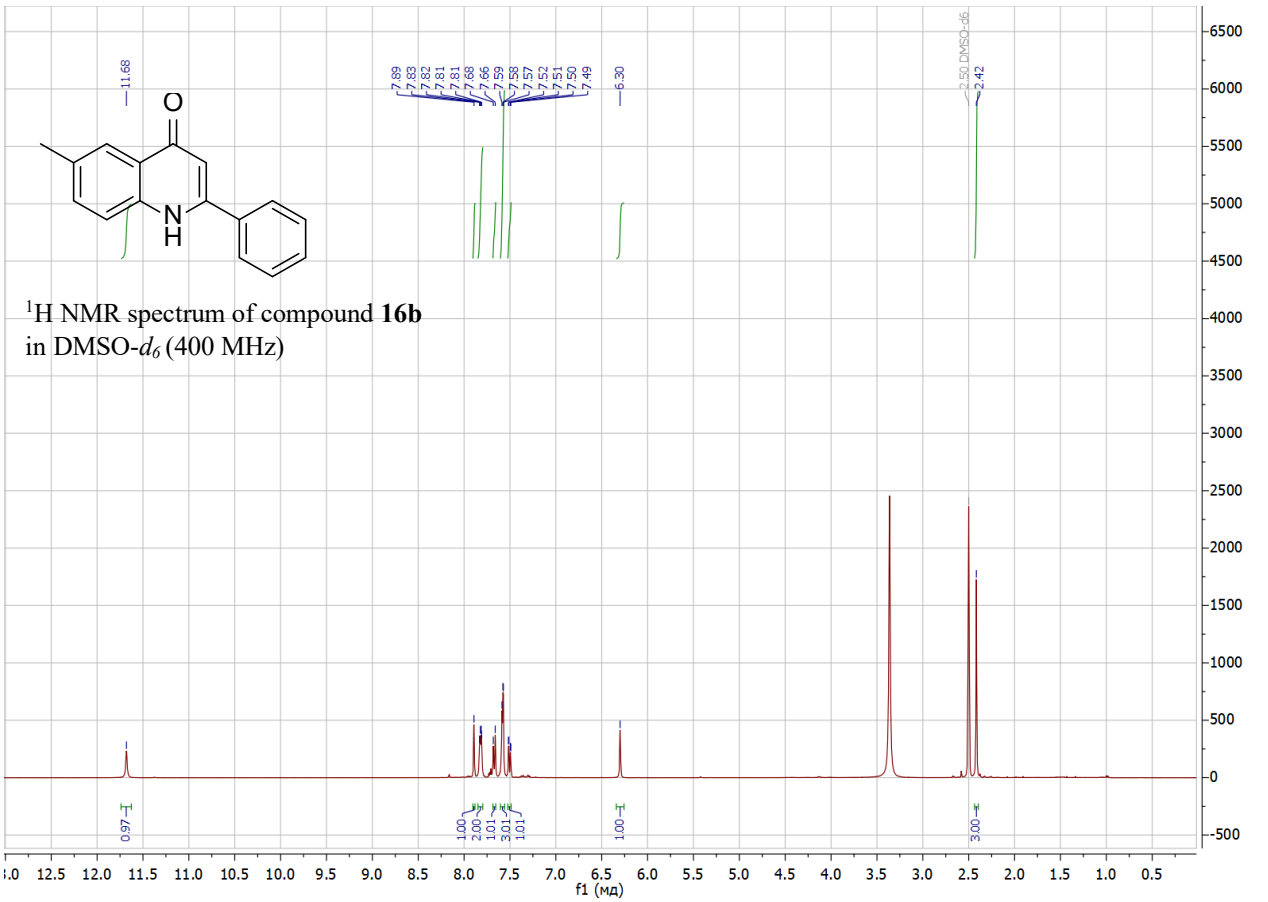
Table of Contents



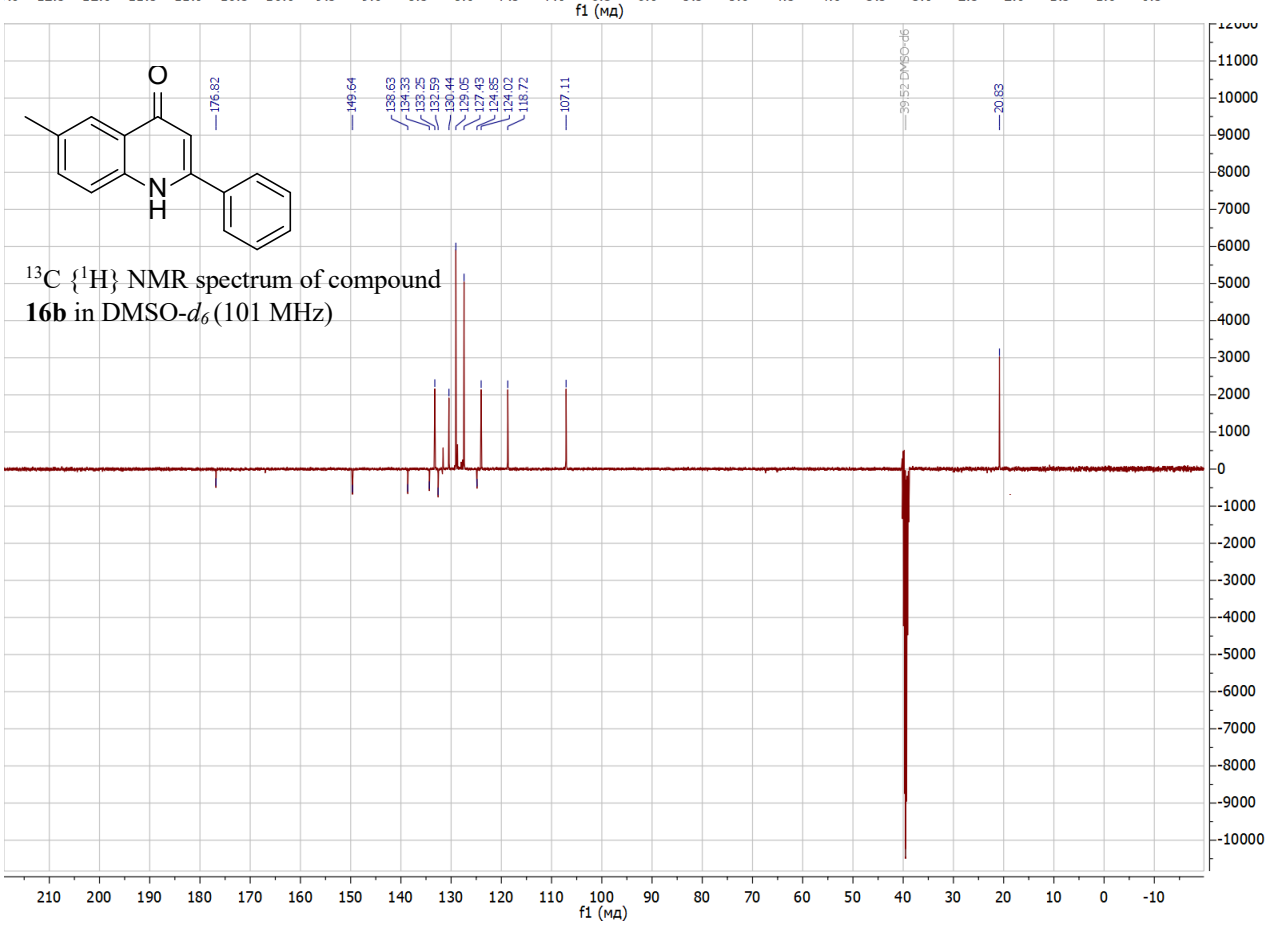
^{1}H NMR spectrum of compound **16a** in DMSO-d_6 (400 MHz)



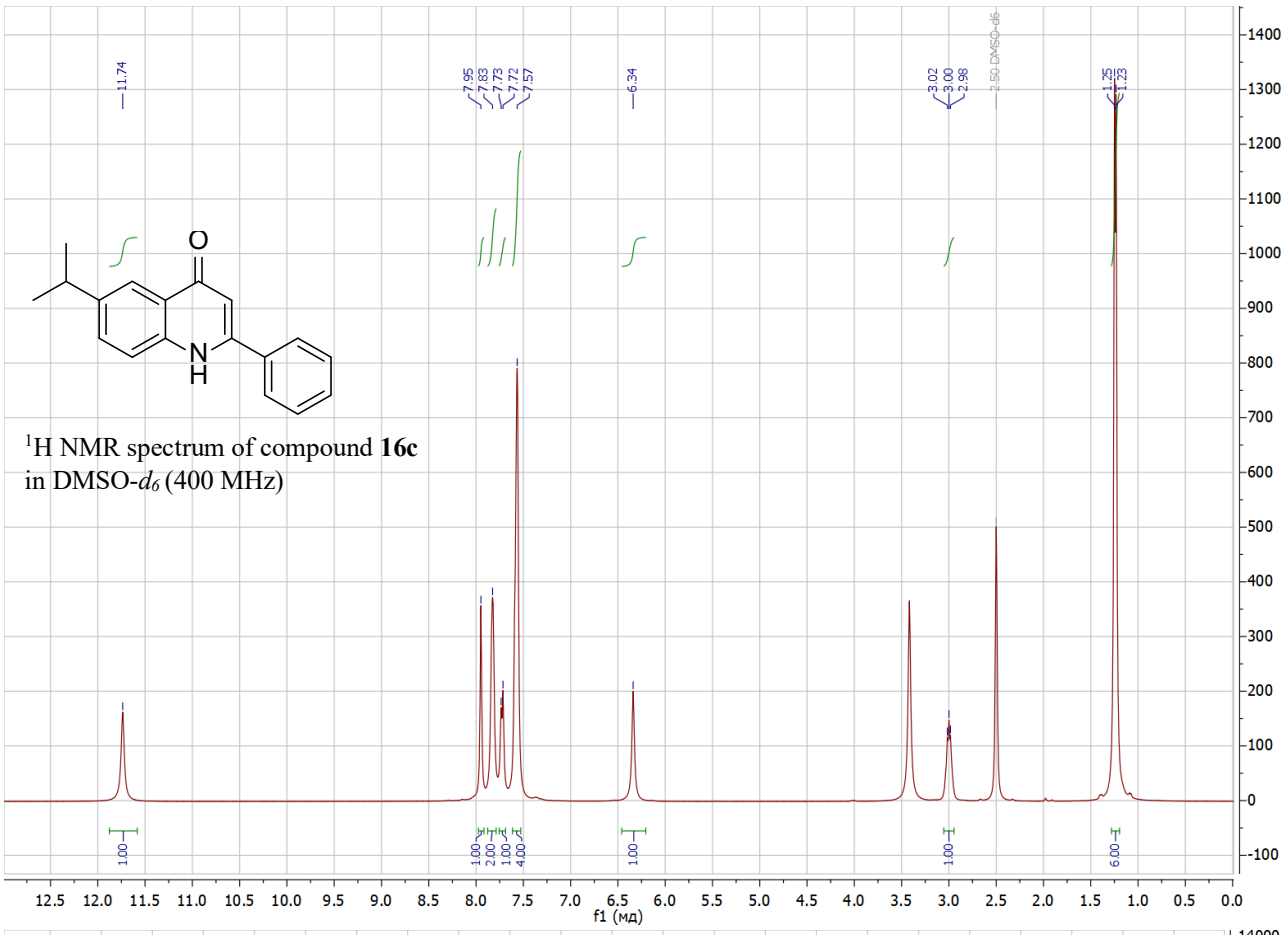
^{13}C {^{1}H} NMR spectrum of compound **16a** in DMSO-d_6 (101 MHz)



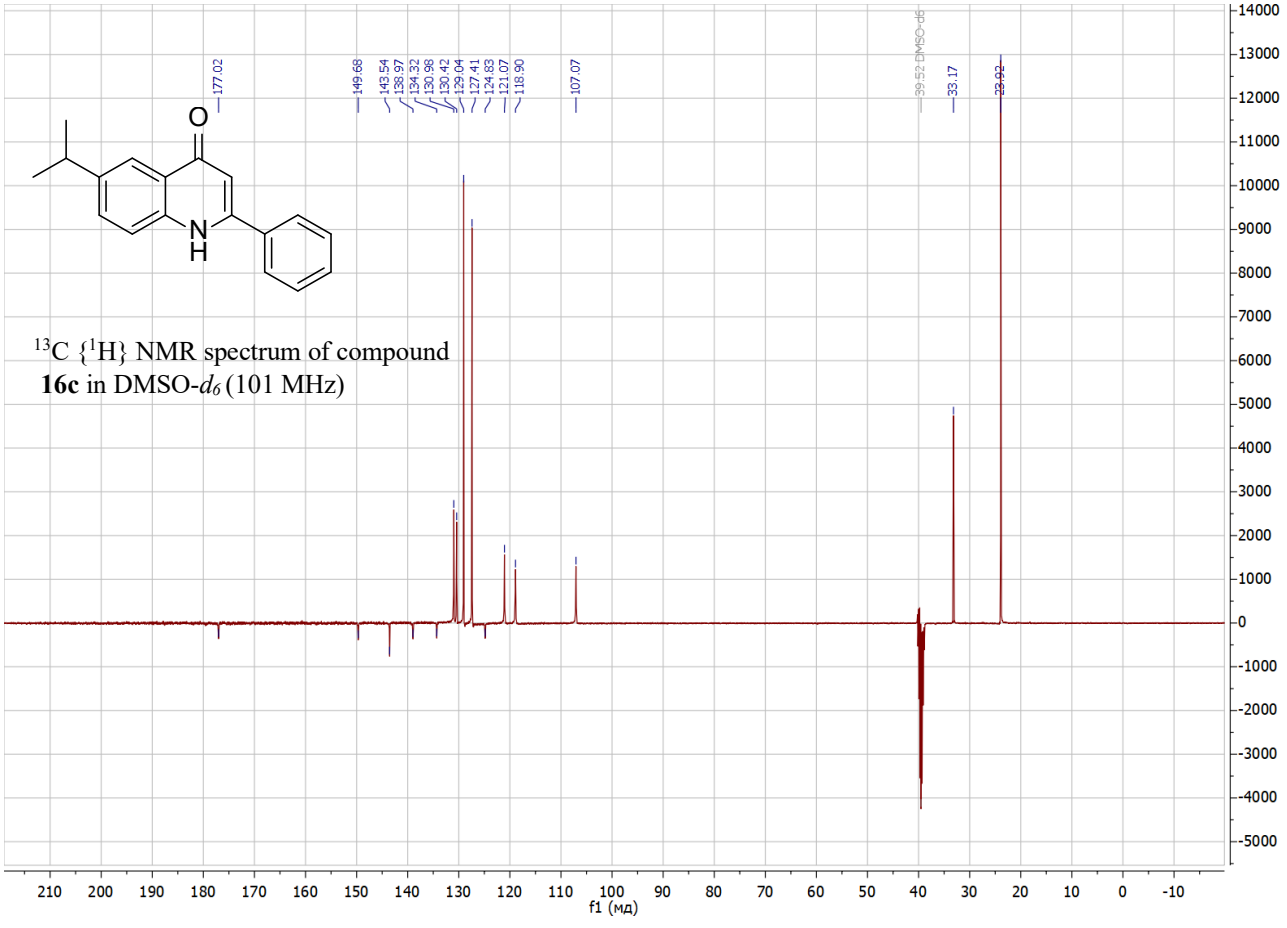
^{1}H NMR spectrum of compound **16b** in DMSO-d_6 (400 MHz)



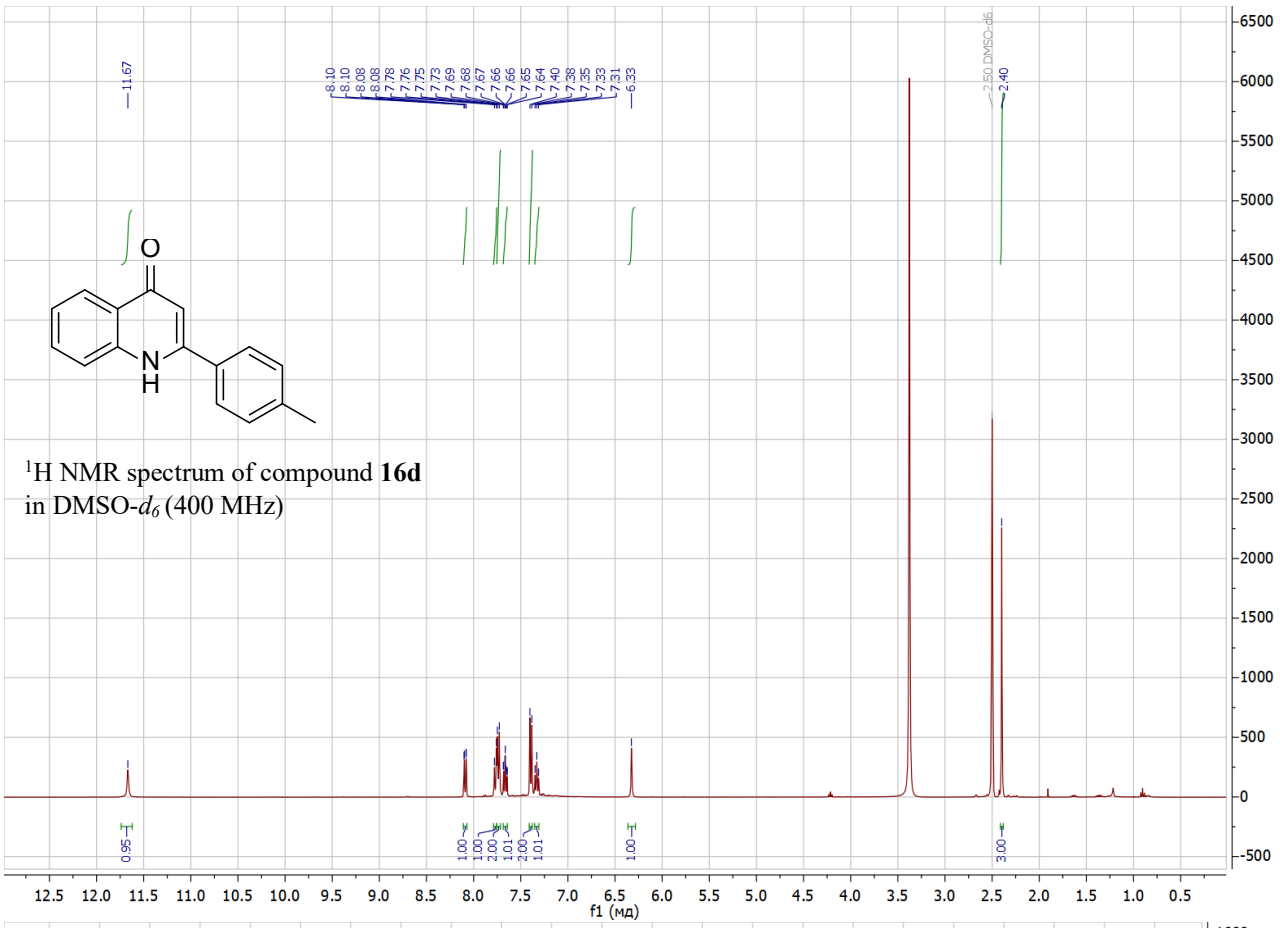
^{13}C {^{1}H} NMR spectrum of compound **16b** in DMSO-d_6 (101 MHz)



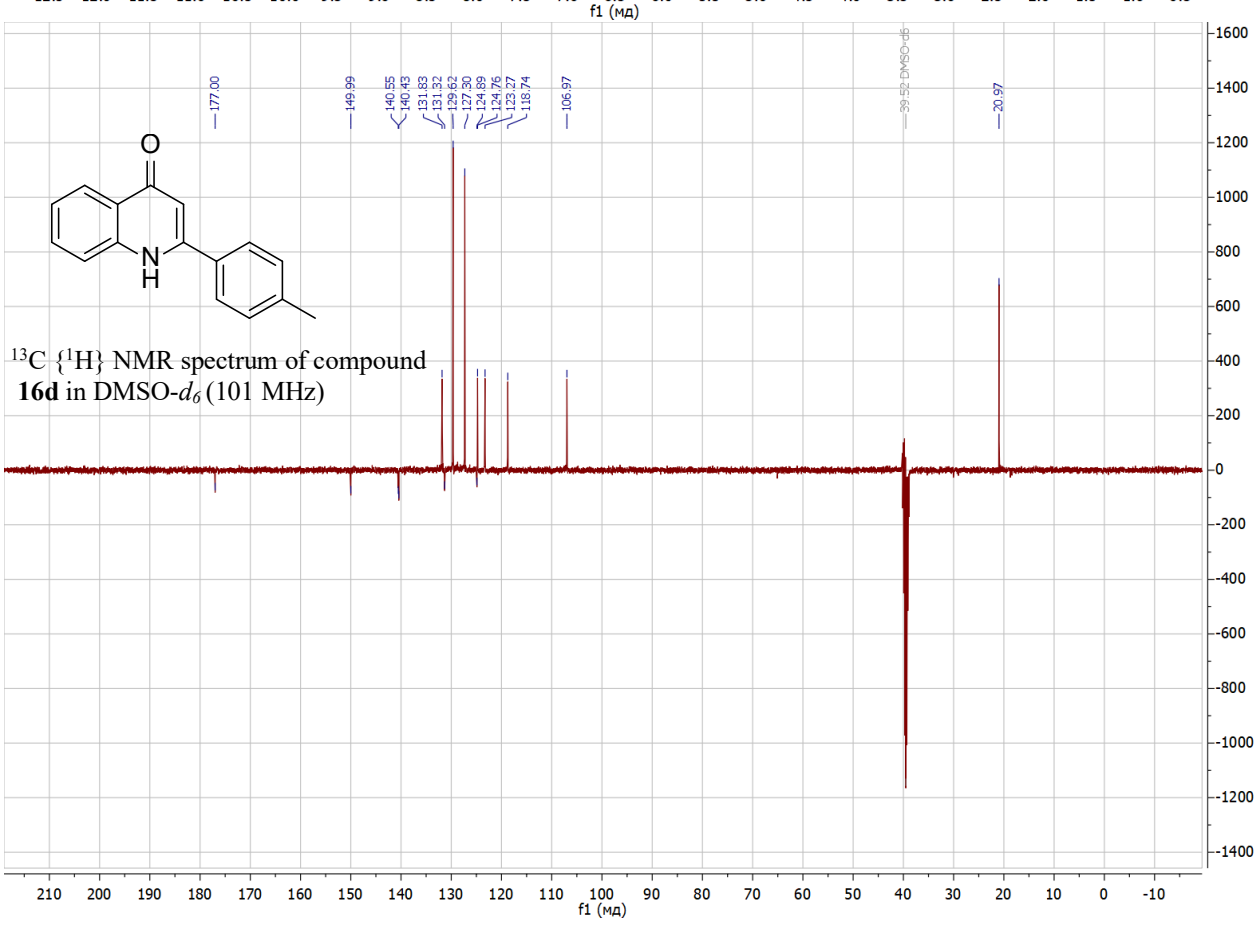
^{1}H NMR spectrum of compound **16c** in DMSO-d_6 (400 MHz)



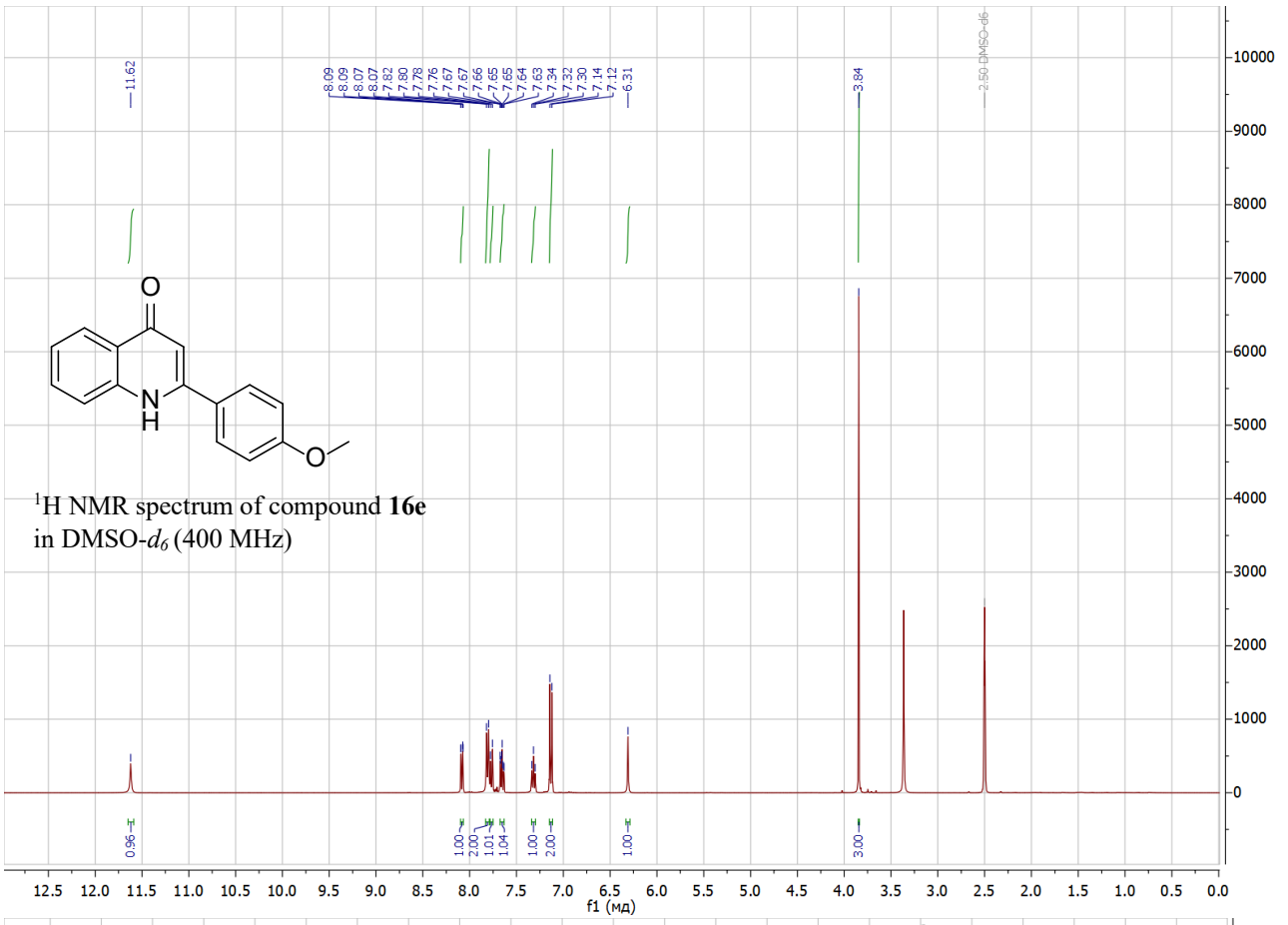
^{13}C {^{1}H} NMR spectrum of compound **16c** in DMSO-d_6 (101 MHz)



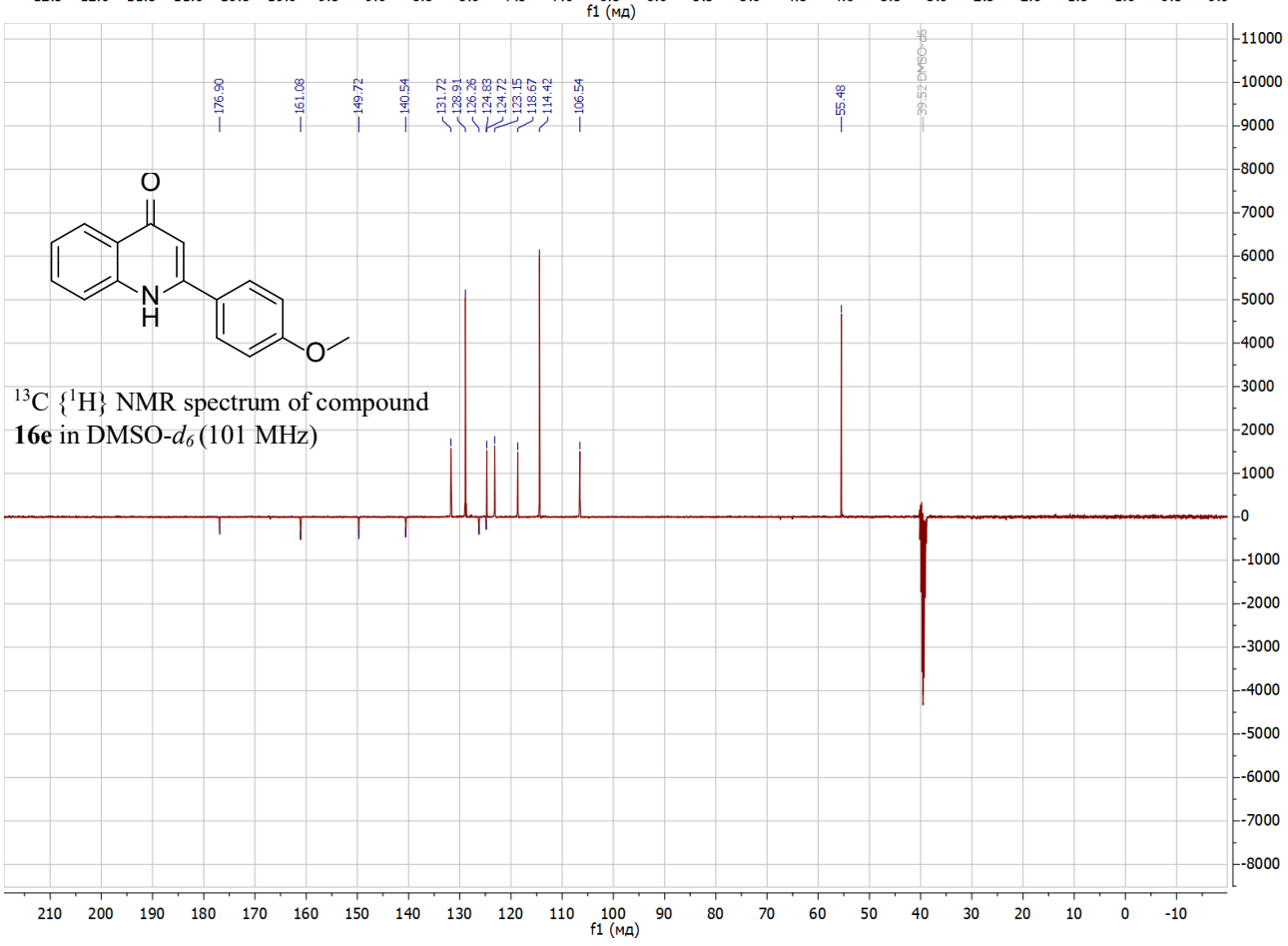
^{1}H NMR spectrum of compound **16d** in DMSO-d_6 (400 MHz)



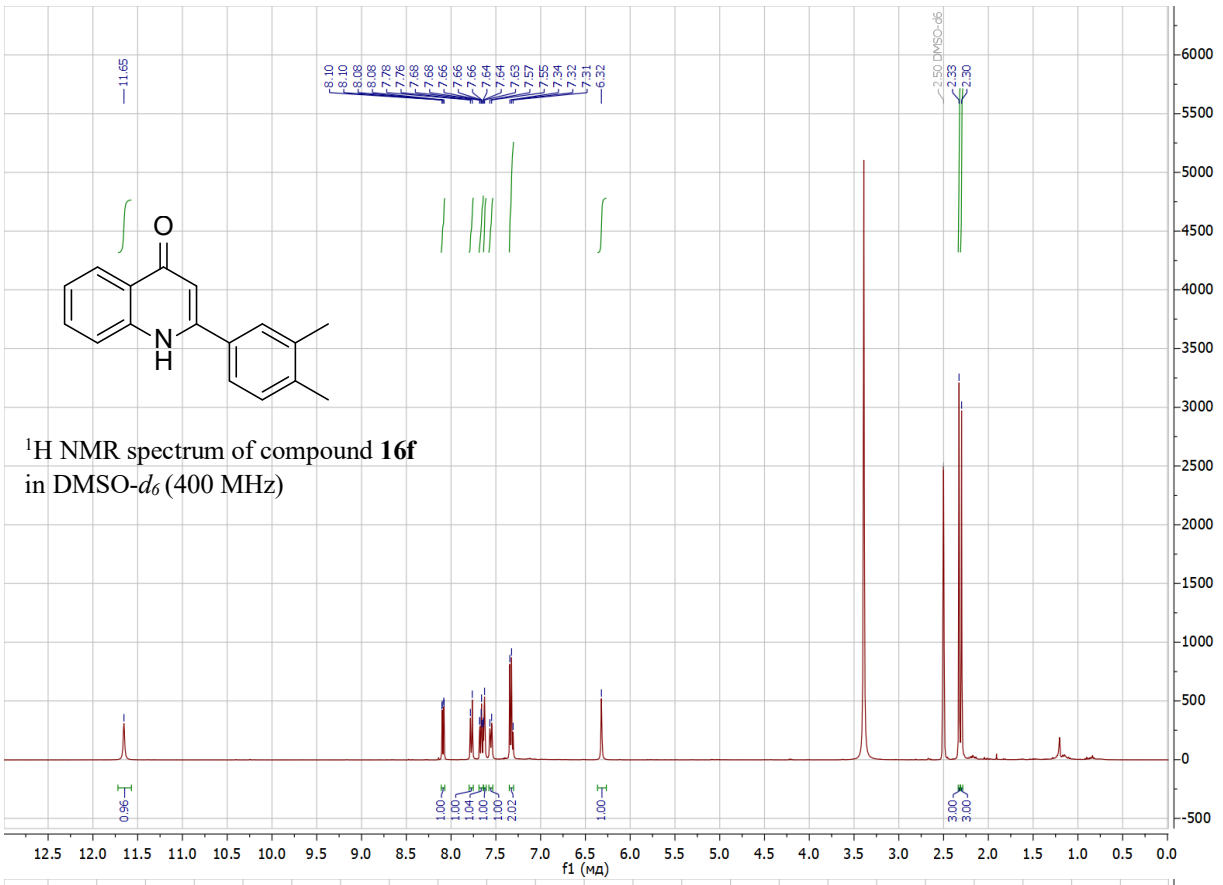
^{13}C {^{1}H} NMR spectrum of compound **16d** in DMSO-d_6 (101 MHz)



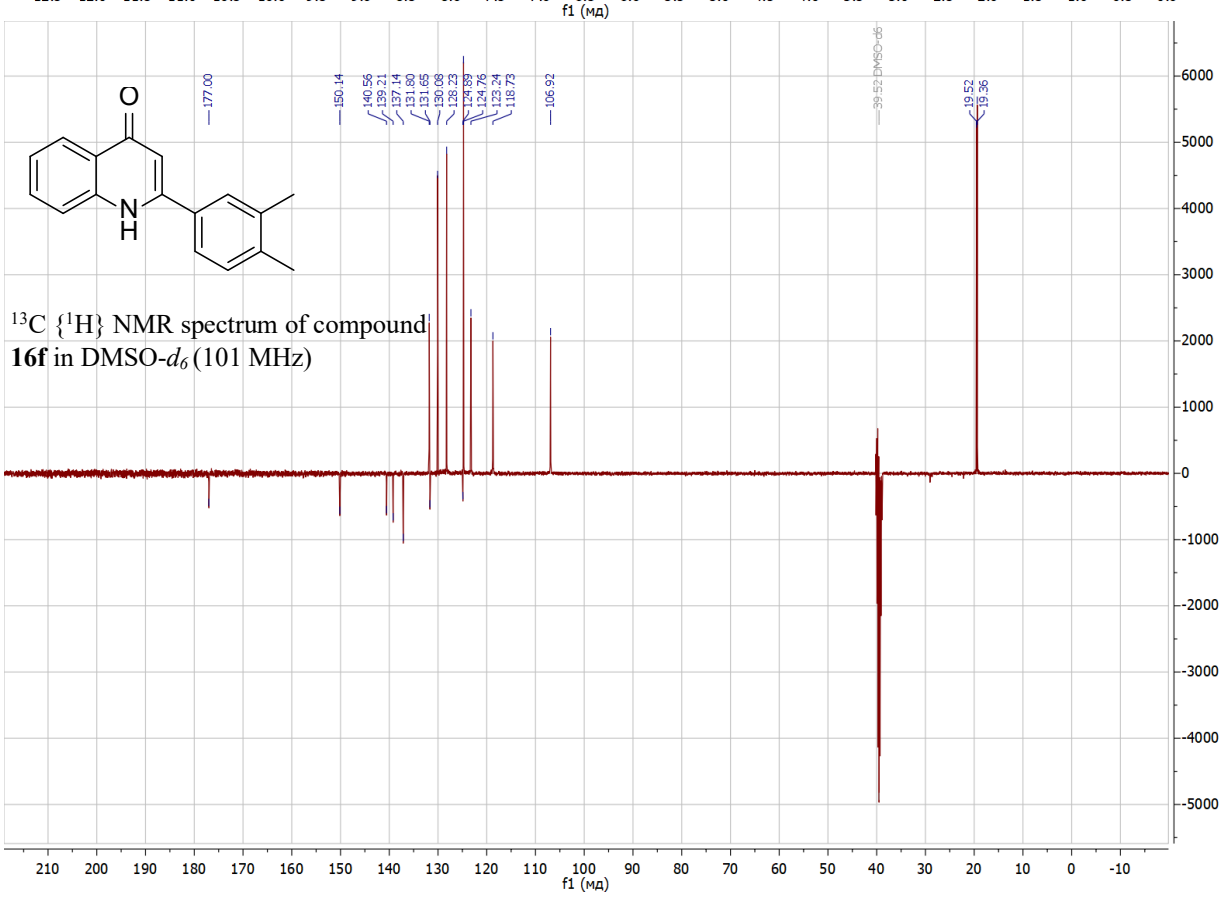
^{1}H NMR spectrum of compound **16e** in DMSO-d_6 (400 MHz)



^{13}C {^{1}H} NMR spectrum of compound **16e** in DMSO-d_6 (101 MHz)

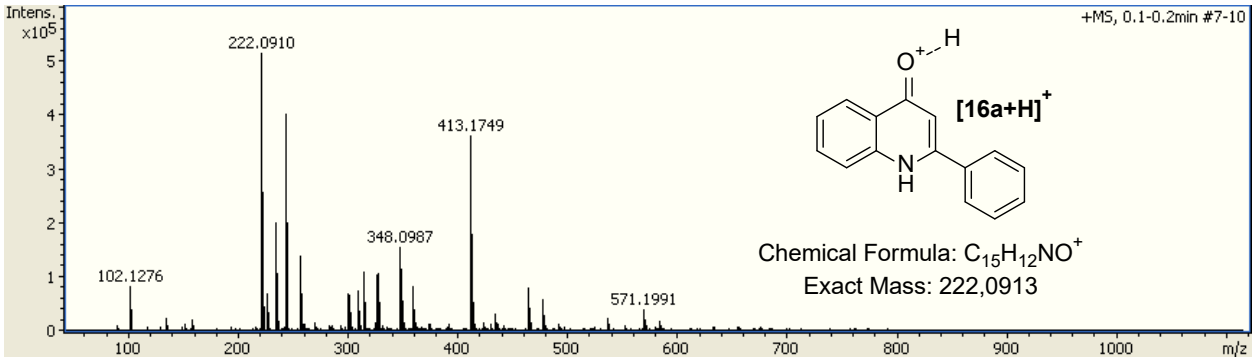


^{1}H NMR spectrum of compound **16f** in DMSO-d_6 (400 MHz)

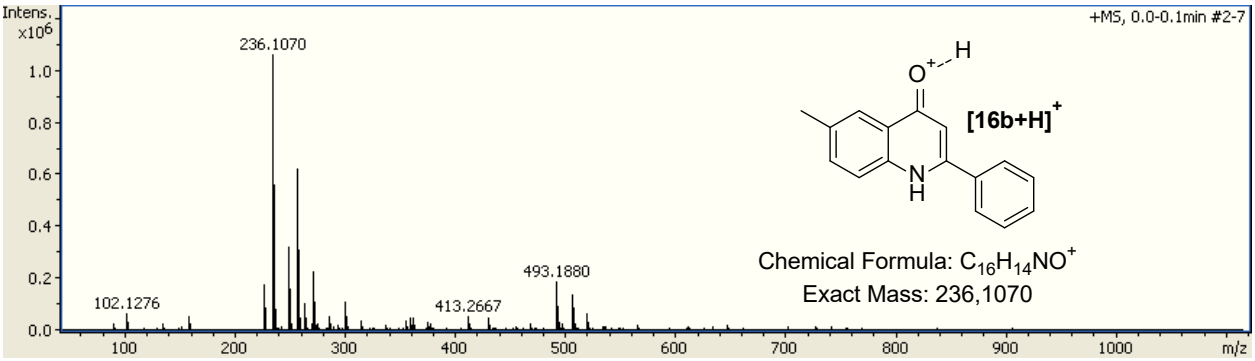


^{13}C {^{1}H} NMR spectrum of compound **16f** in DMSO-d_6 (101 MHz)

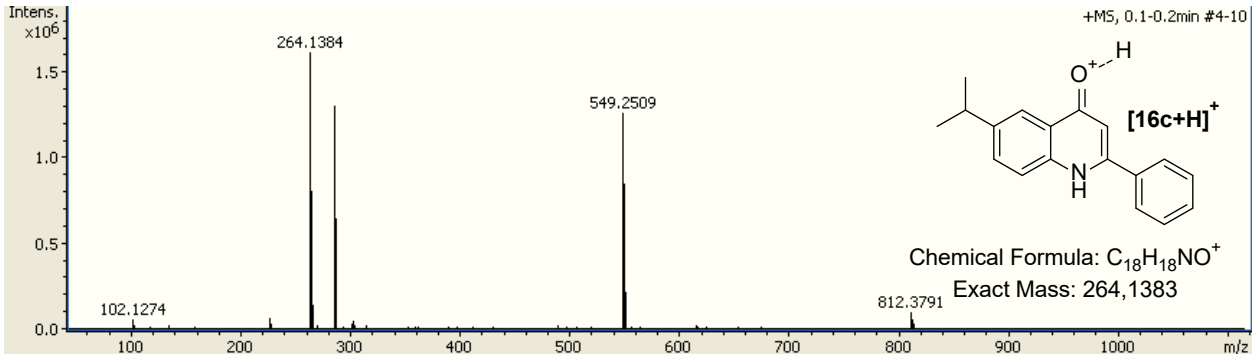
2-Phenylquinolin-4(1*H*)-one (16a)



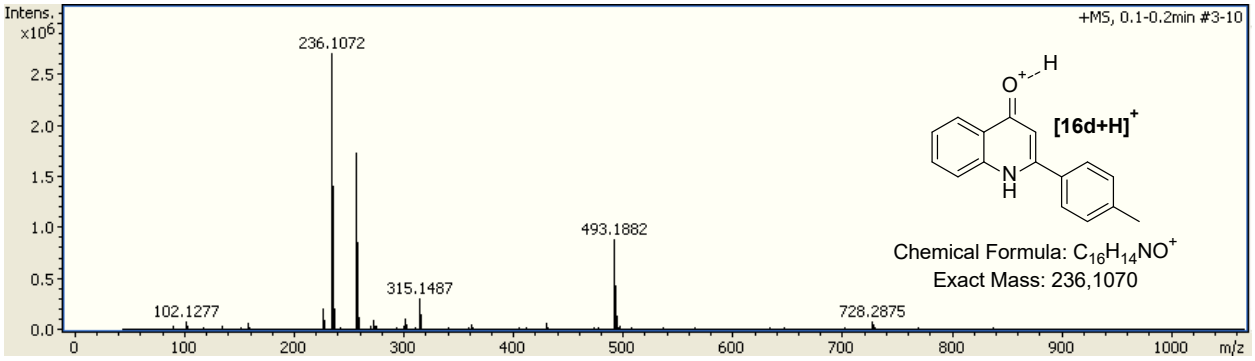
6-Methyl-2-phenylquinolin-4(1*H*)-one (16b)



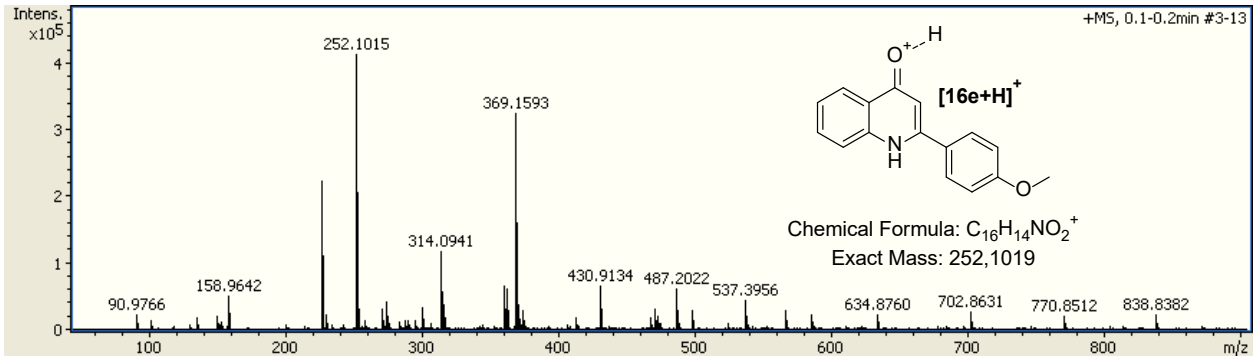
6-Isopropyl-2-phenylquinolin-4(1*H*)-one (16c)



2-(*p*-Tolyl)quinolin-4(1*H*)-one (16d)



2-(4-Methoxyphenyl)quinolin-4(1*H*)-one (16e)



2-(3,4-Dimethylphenyl)quinolin-4(1*H*)-one (16f)