

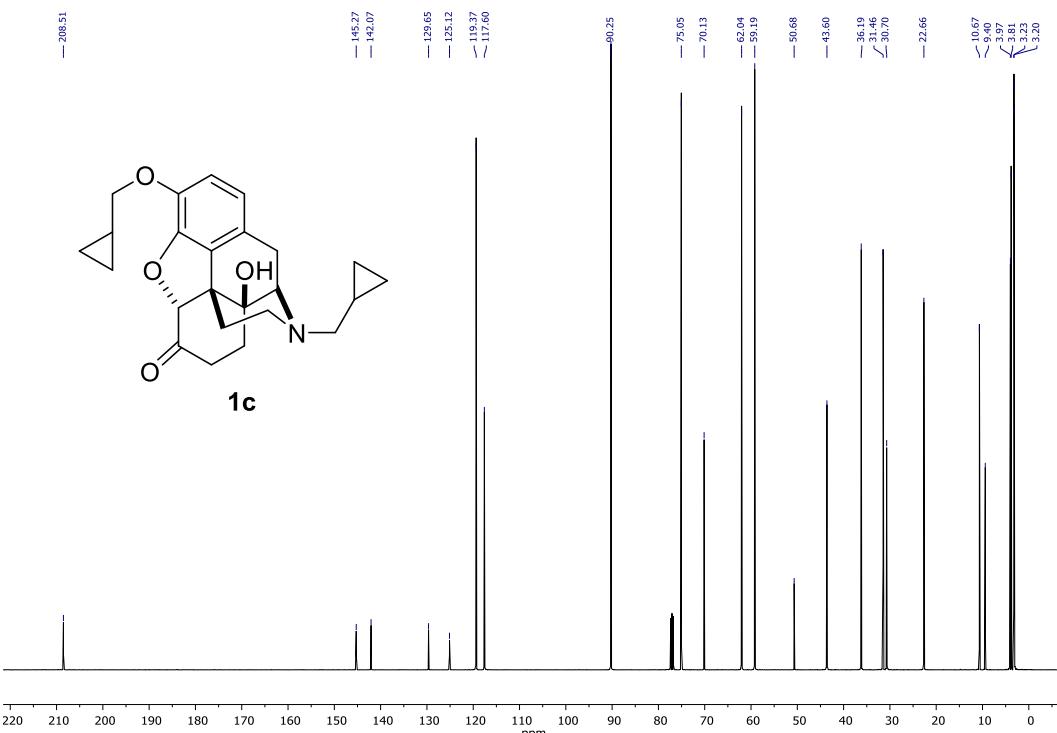
Applying Gewald reaction for the preparation of some novel aminothieno derivatives featuring noroxymorphone skeletal backbone

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Tehran, Iran*

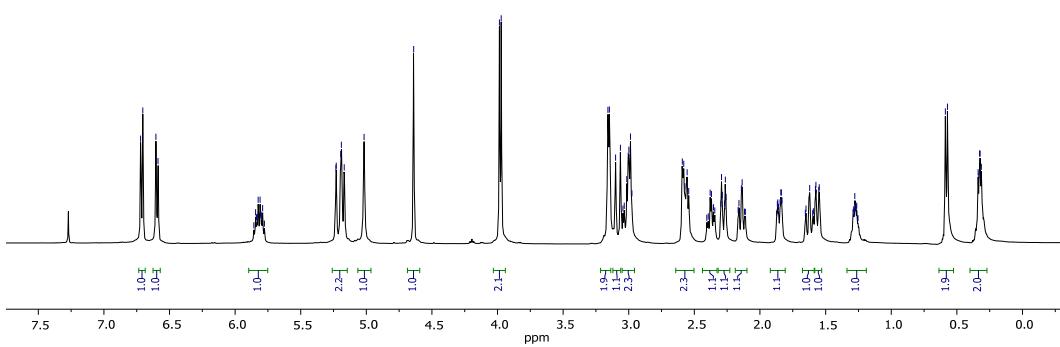
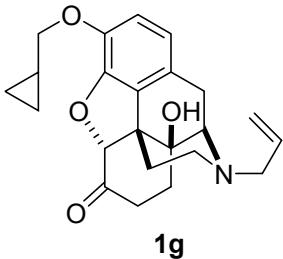


¹H NMR (CDCl₃, 500 MHz) spectrum of **1c**

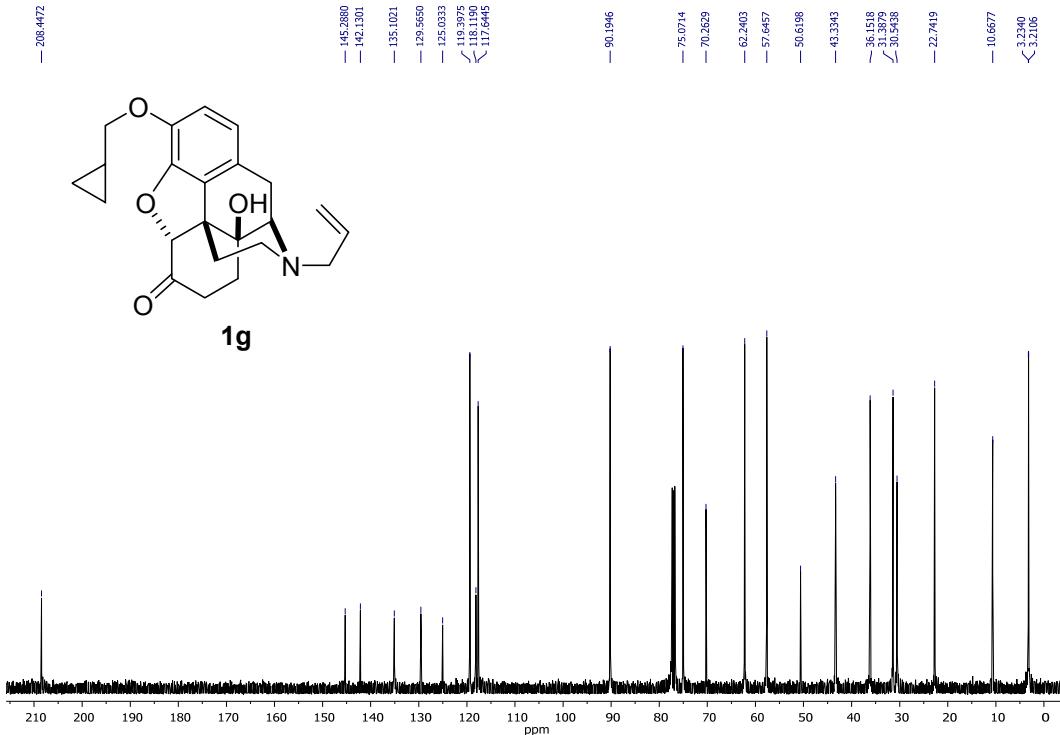


¹³C NMR (CDCl₃, 500 MHz) spectrum of **1c**

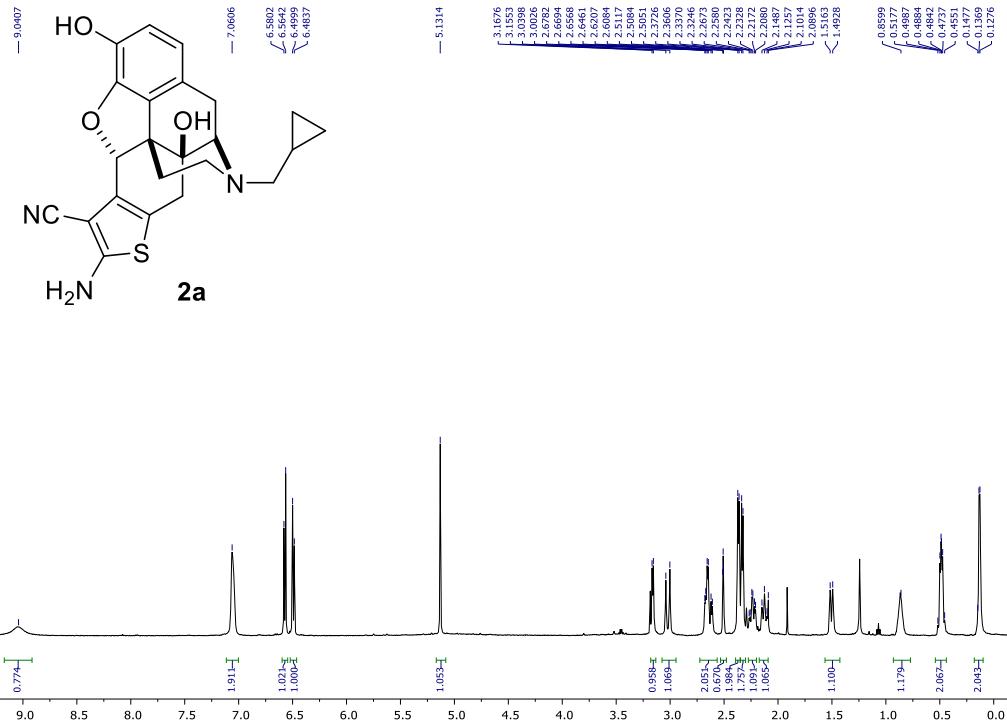
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5.7236
5.2301
5.1953
5.1902
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3.9723
3.1599
3.1578
3.1013
3.0640
3.0443
3.0342
3.0153
3.0048
2.9959
2.9763
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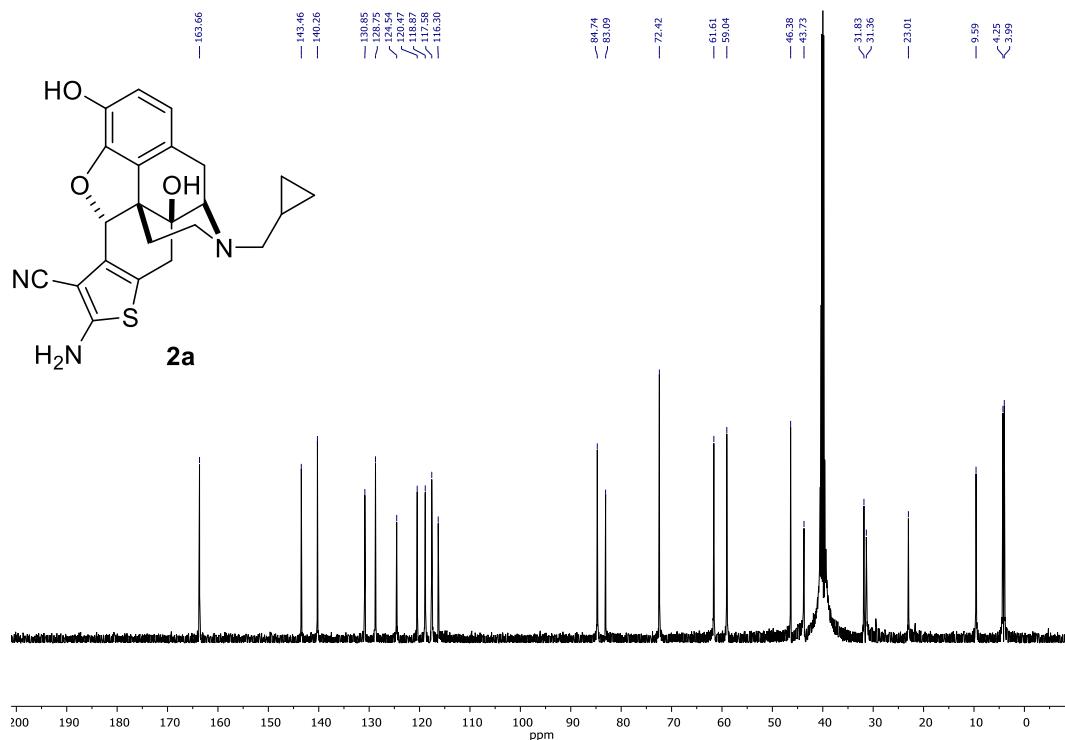
¹H NMR (CDCl₃, 500 MHz) spectrum of **1g**



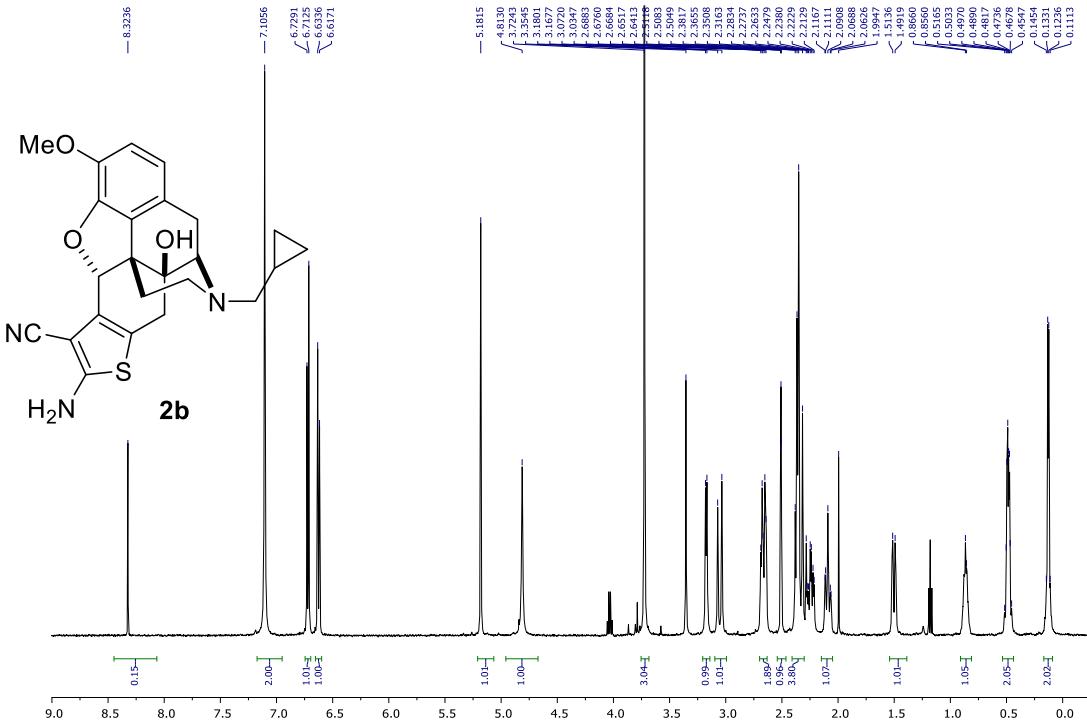
¹³C NMR (CDCl₃, 500 MHz) spectrum of **1g**



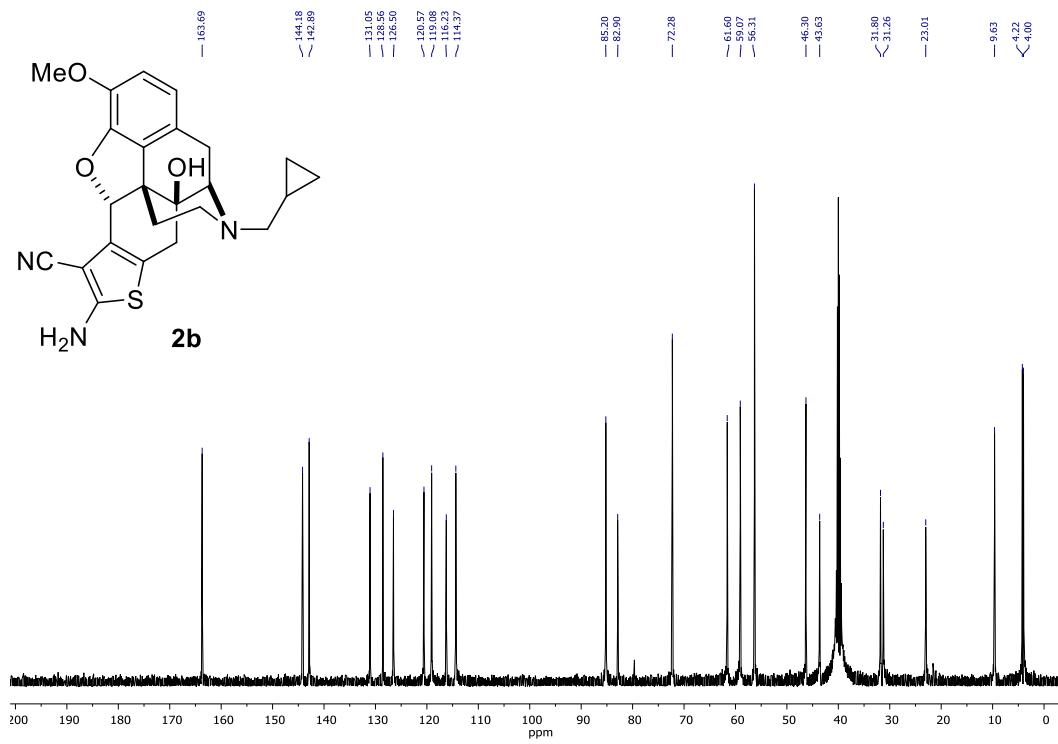
¹H NMR (DMSO-d₆, 500 MHz) spectrum of **2a**



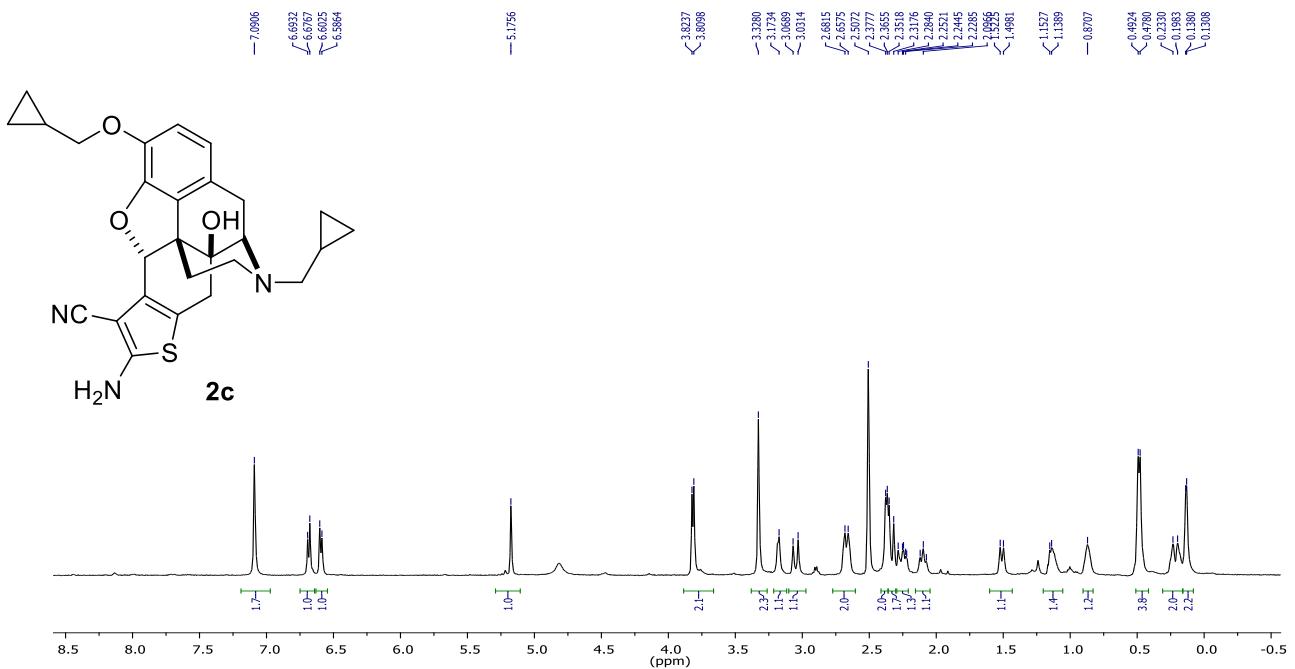
¹³C NMR (DMSO-d₆, 500 MHz) spectrum of **2a**



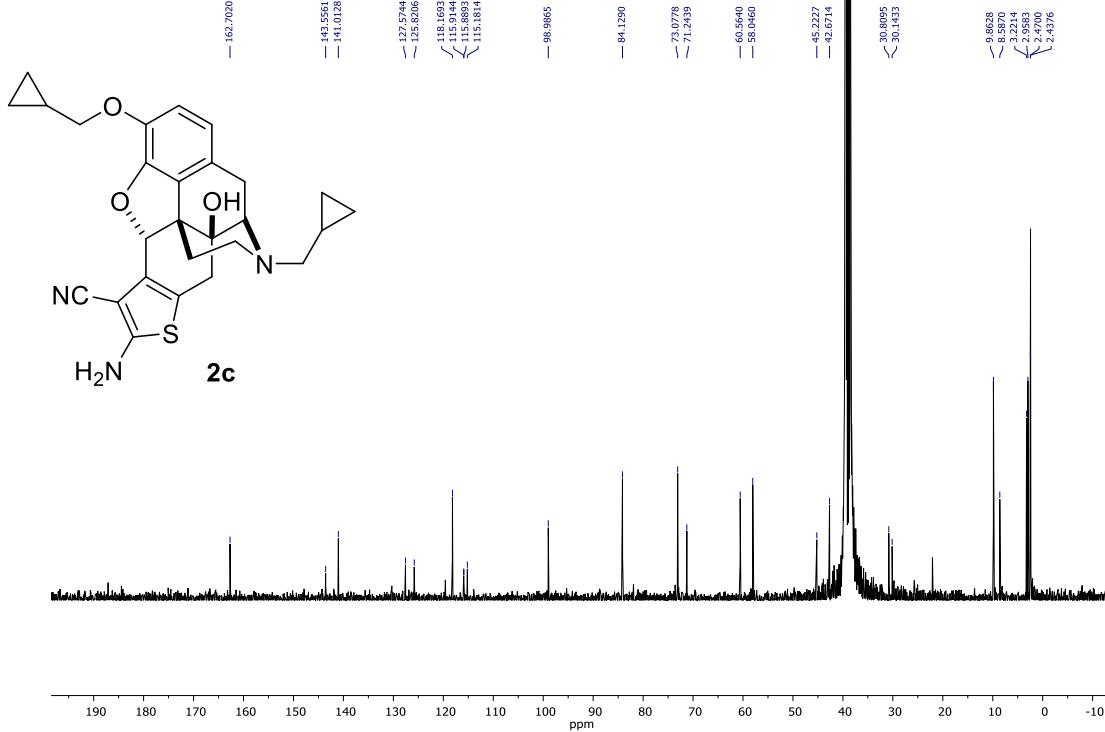
¹H NMR (DMSO-d₆, 500 MHz) spectrum of **2b**



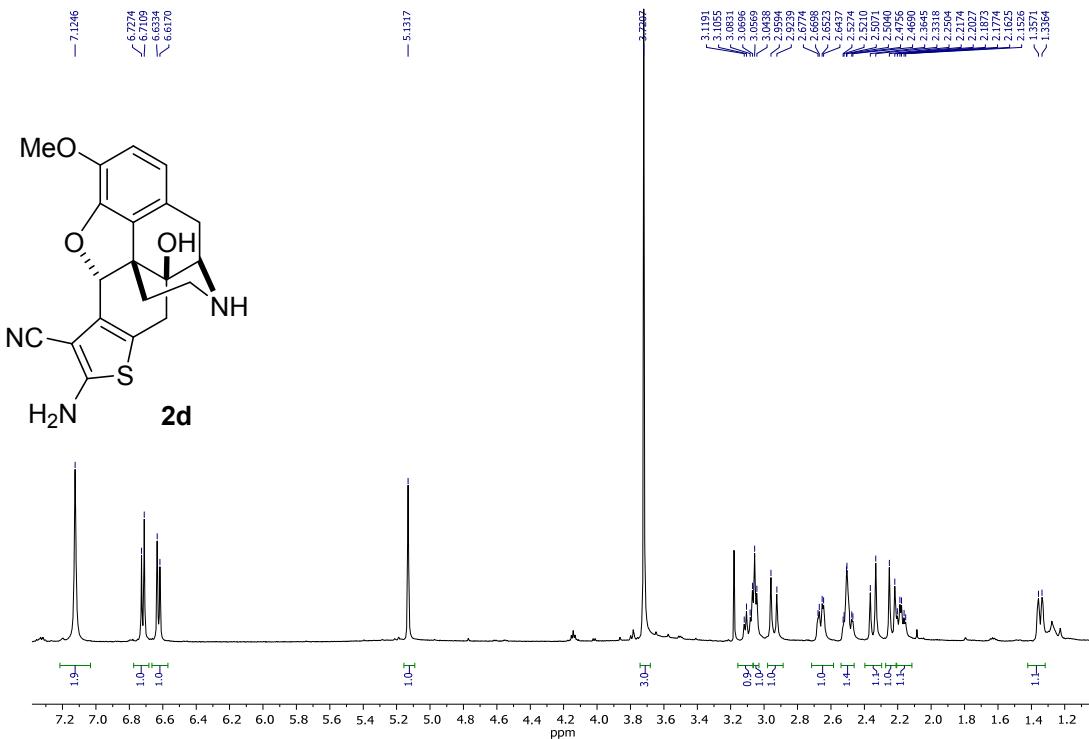
¹³C NMR (DMSO-d₆, 500 MHz) spectrum of **2b**



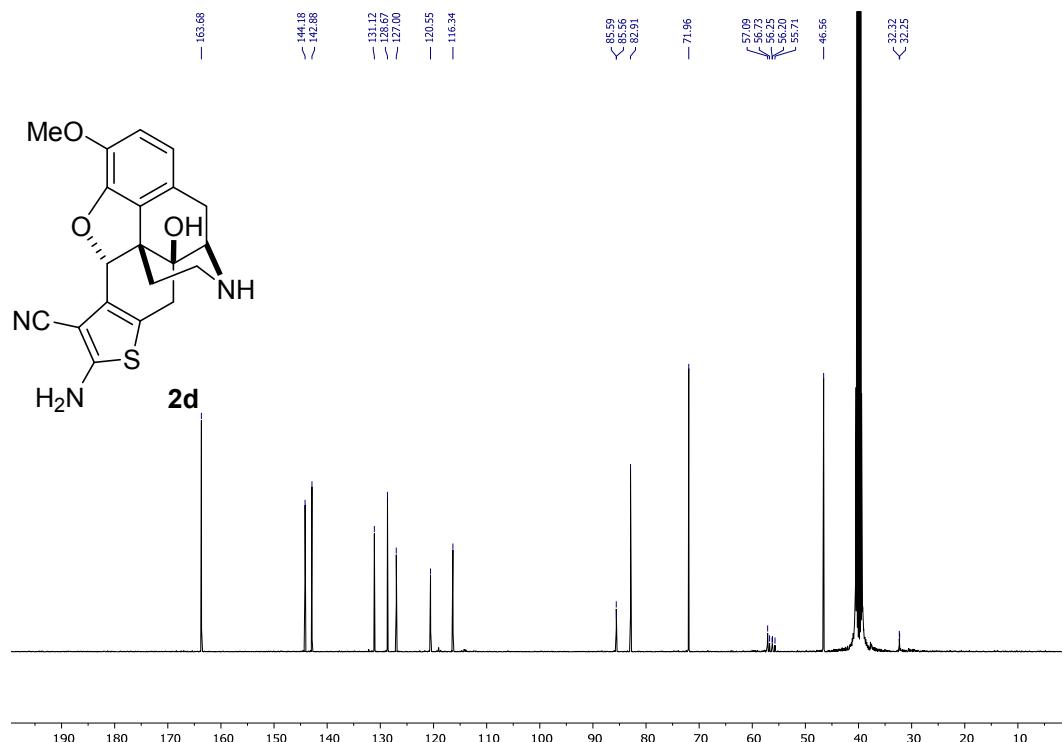
^1H NMR (DMSO-d₆, 500 MHz) spectrum of **2c**



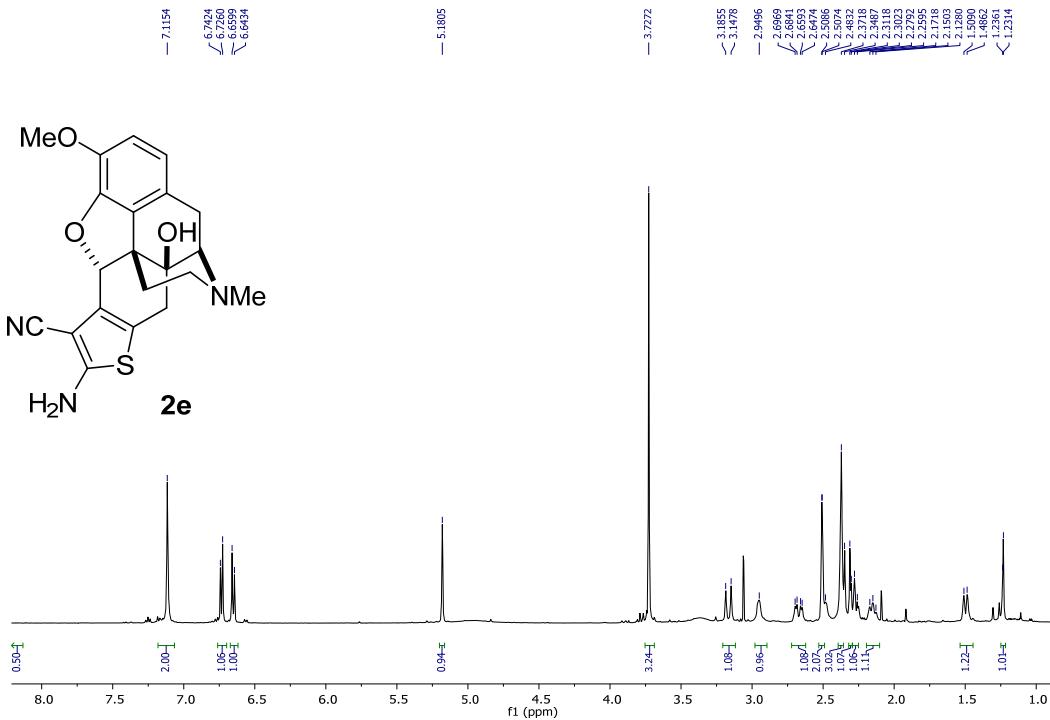
^{13}C NMR (DMSO-d₆, 500 MHz) spectrum of **2c**



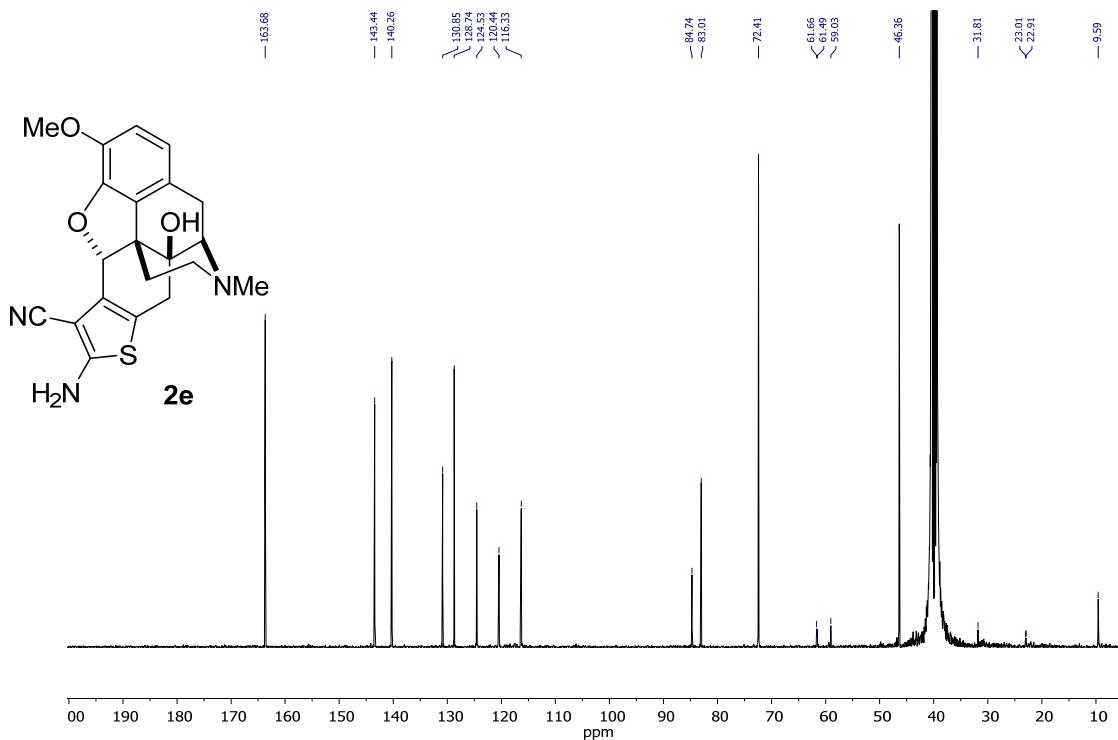
¹H NMR (DMSO-d₆, 500 MHz) spectrum of **2d**



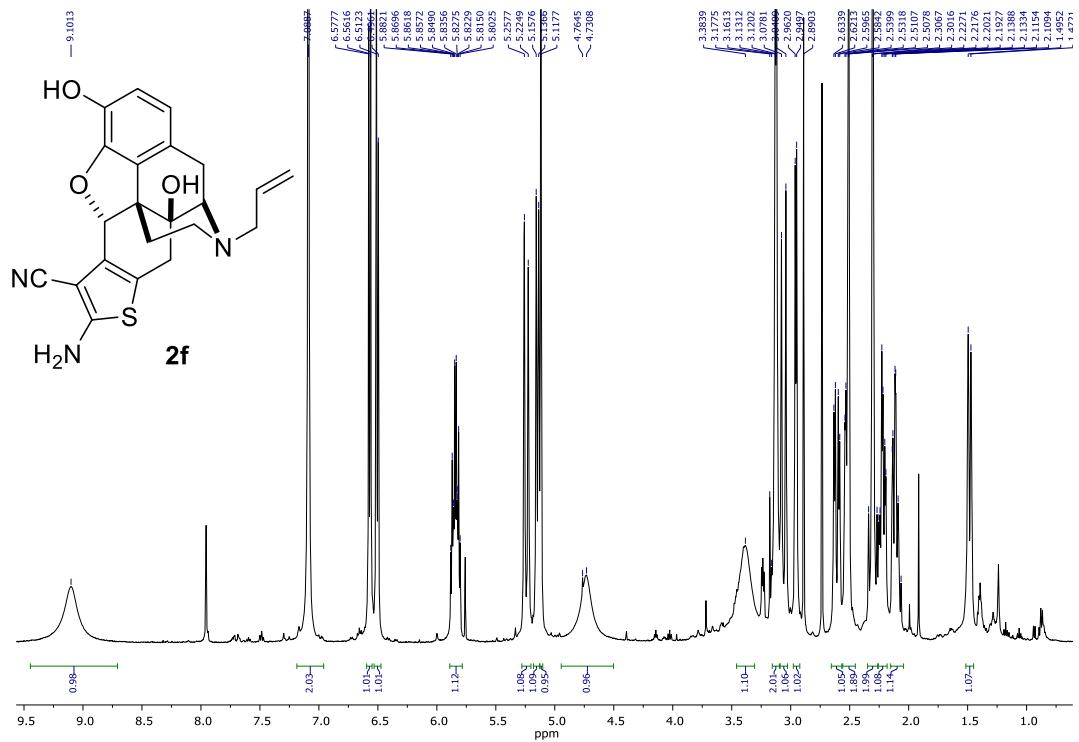
¹³C NMR (DMSO-d₆, 500 MHz) spectrum of **2d**



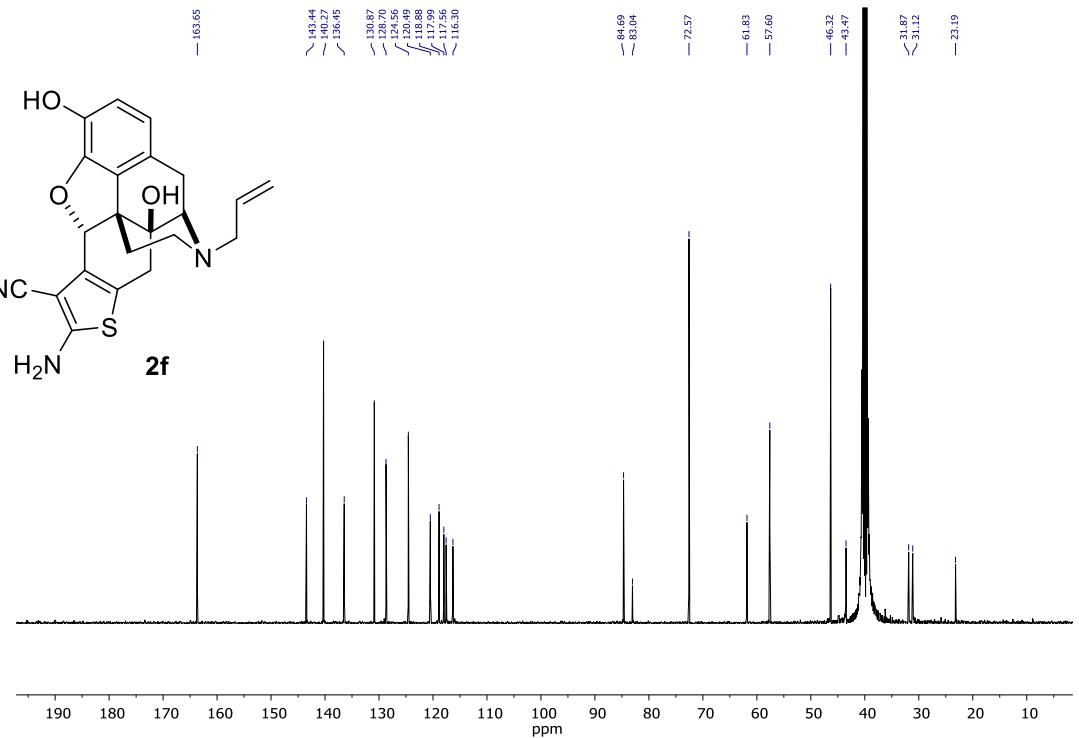
^1H NMR (DMSO-d₆, 500 MHz) spectrum of **2e**



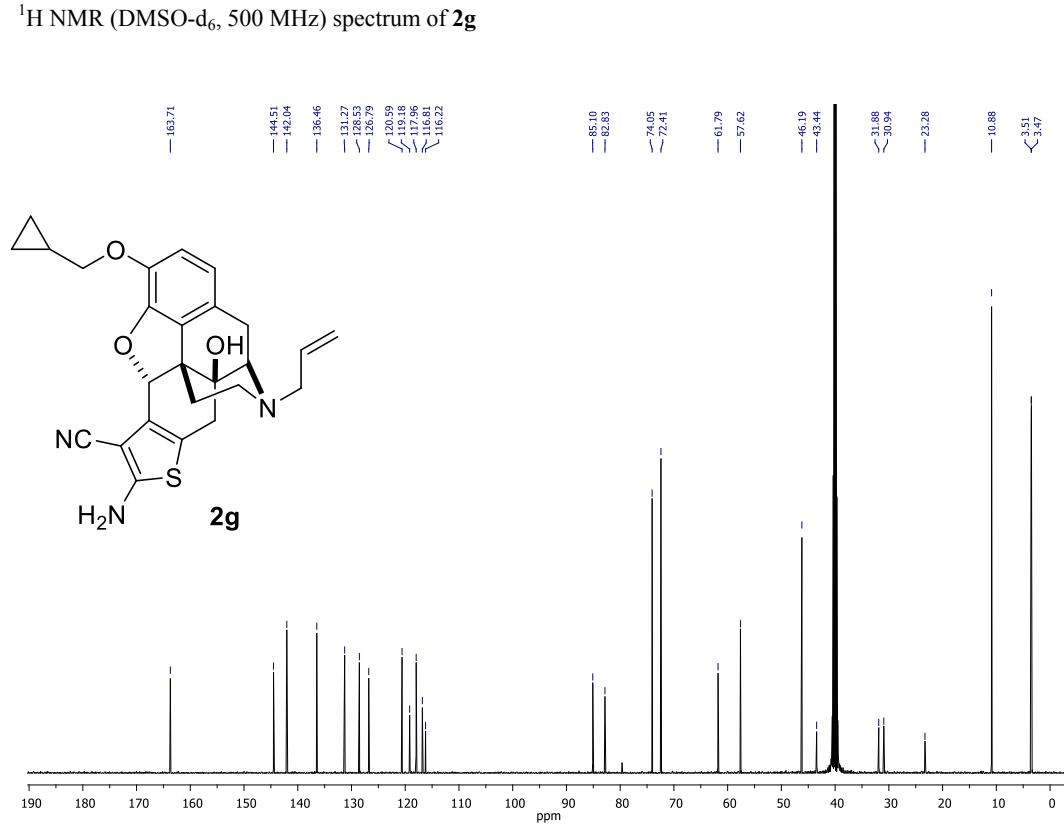
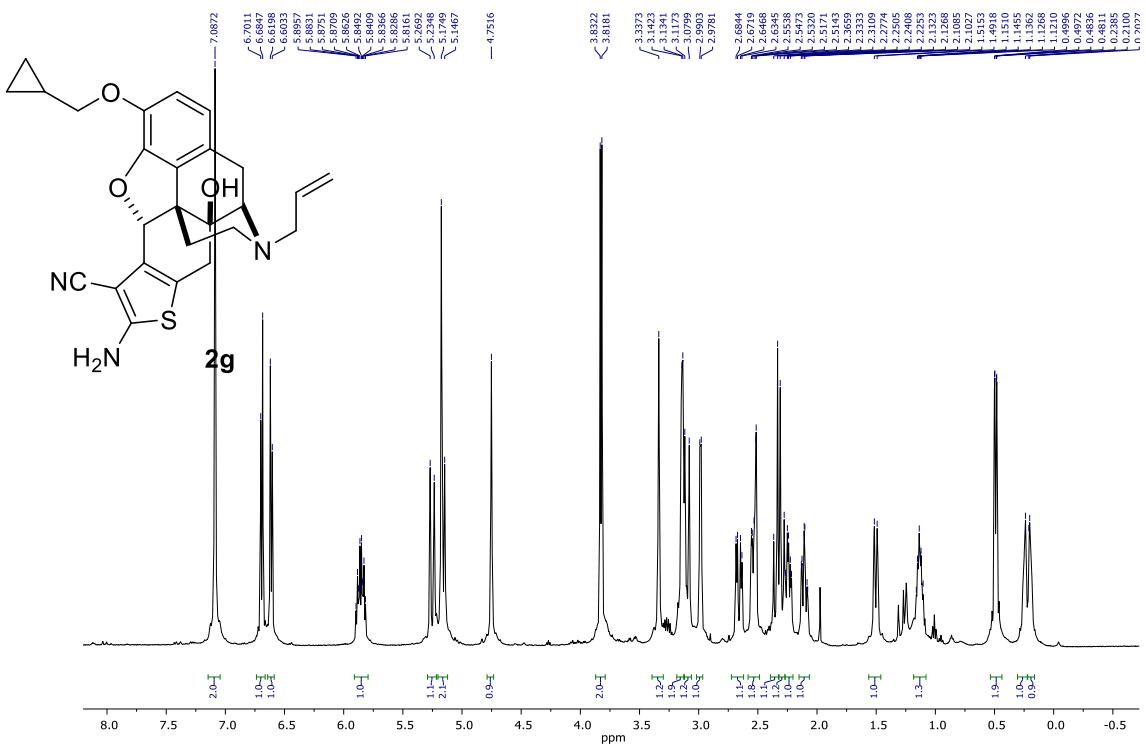
^{13}C NMR (DMSO-d₆, 500 MHz) spectrum of **2e**



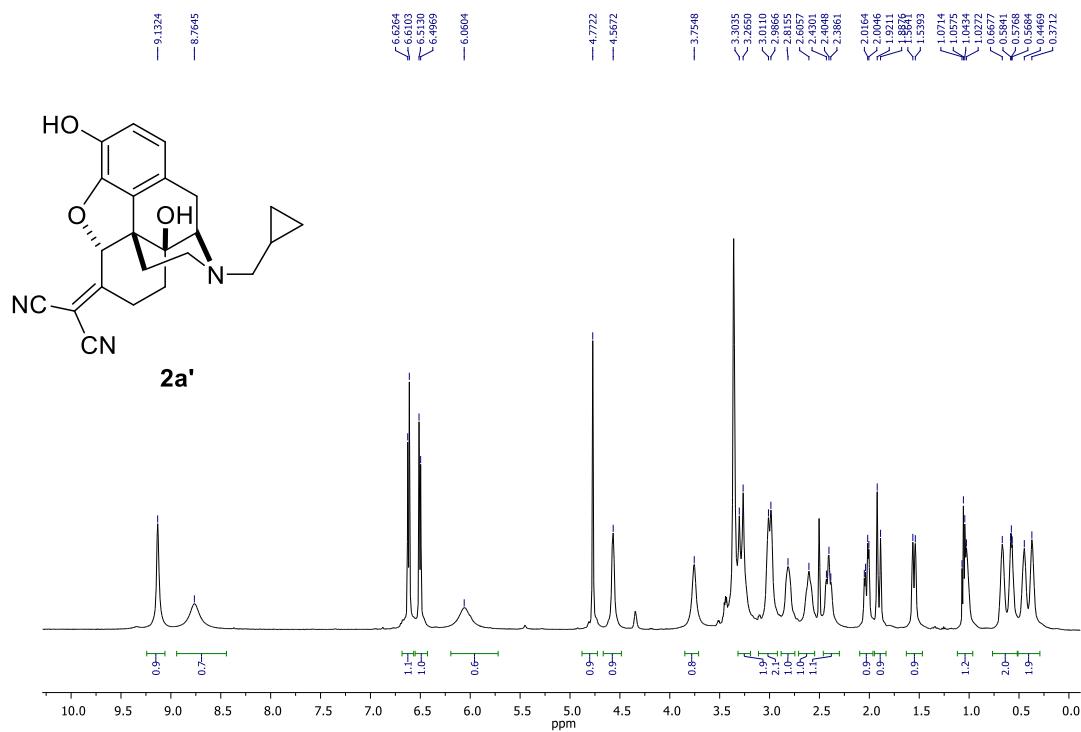
¹H NMR (DMSO-d₆, 500 MHz) spectrum of **2f**



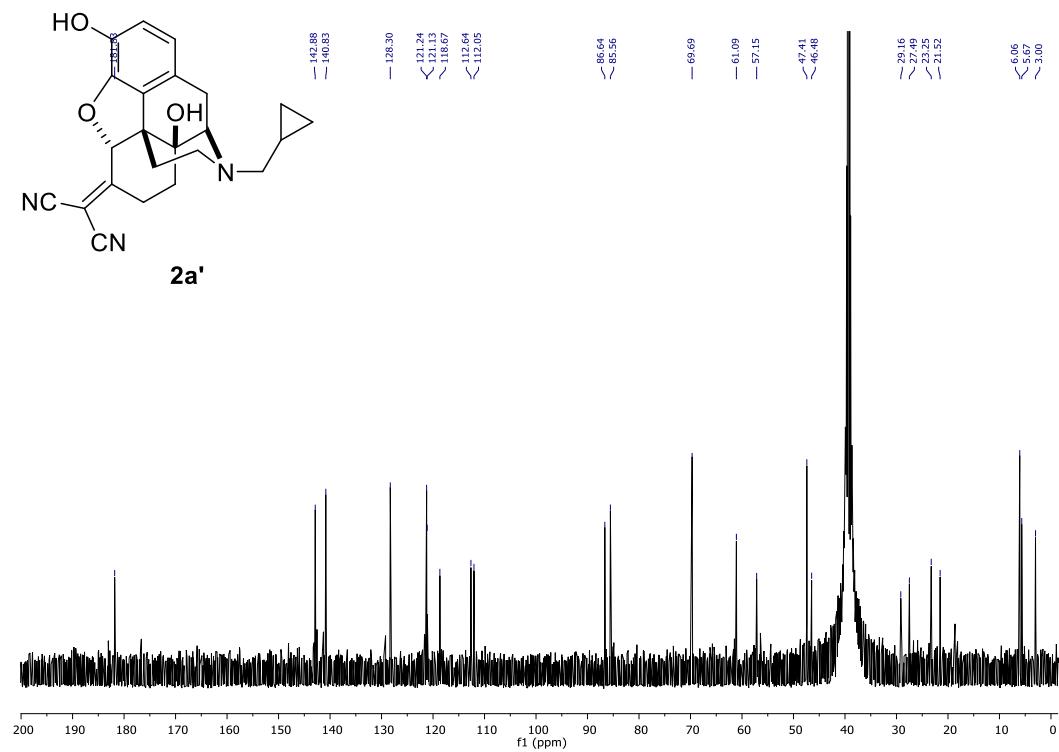
¹³C NMR (DMSO-d₆, 500 MHz) spectrum of **2f**



¹³C NMR (DMSO-d₆, 500 MHz) spectrum of **2g**



¹H NMR (DMSO-d₆, 500 MHz) spectrum of **2a'**



¹³C NMR (DMSO-d₆, 500 MHz) spectrum of **2a'**