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Communication

Synthesis of *N*-substituted Acridinediones and Polyhydroquinoline Derivatives in Refluxing Water

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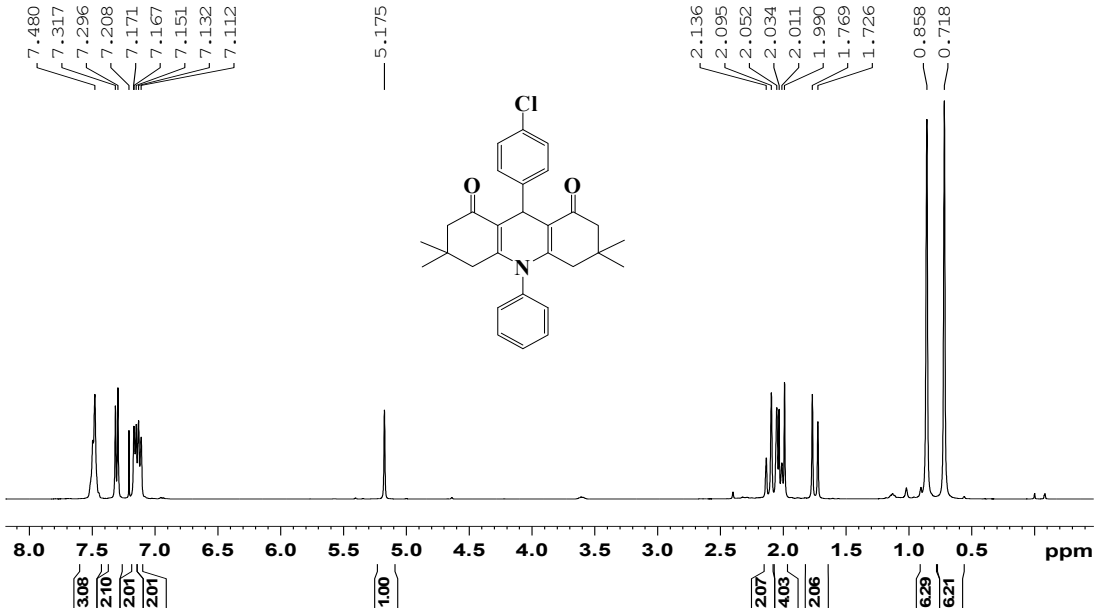
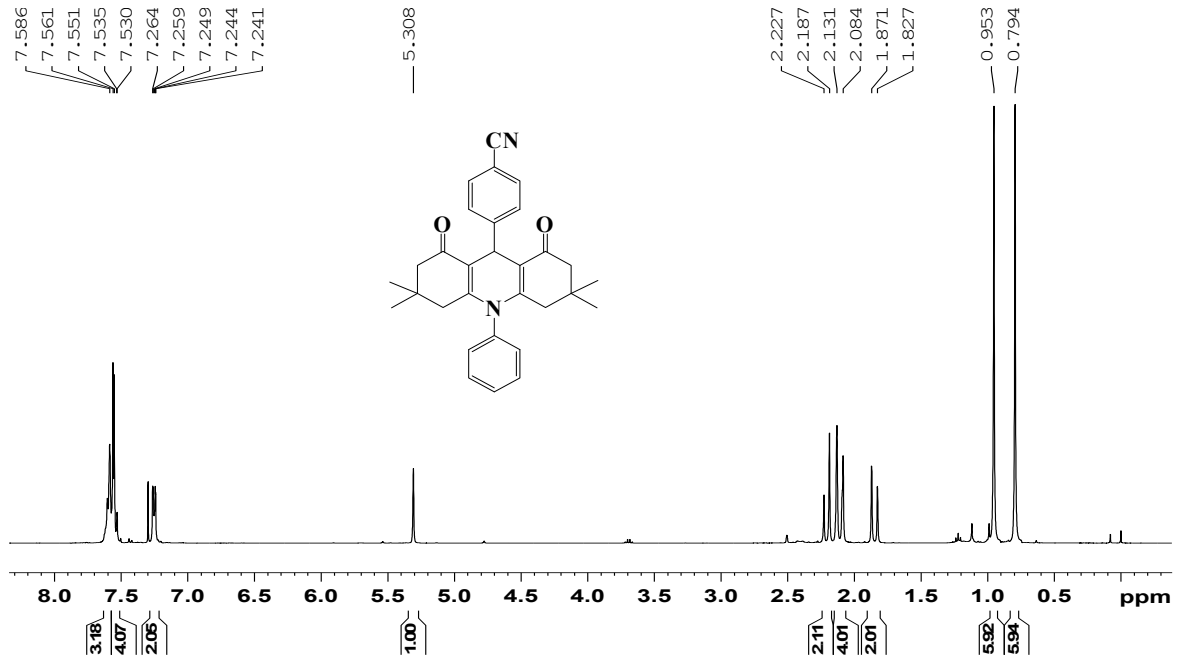
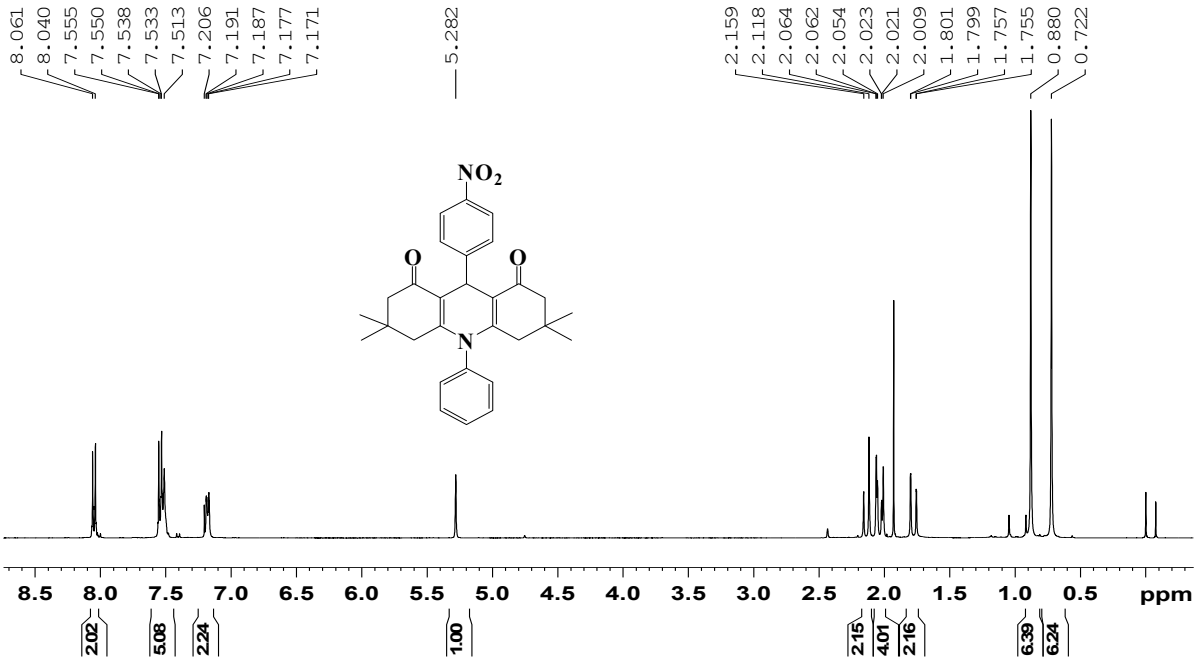
Supporting Information



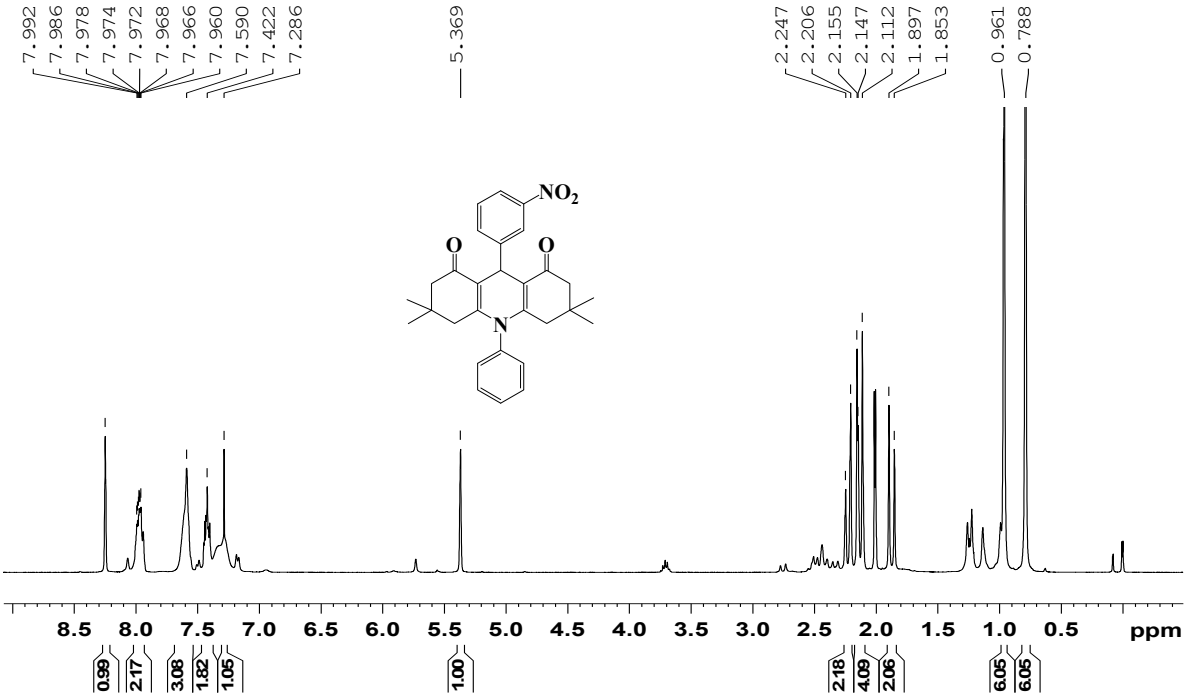
(**5b**): ^{1}H-NMR ($CDCl_3$): δ 0.72 (s, 6H, CH_3), 0.86 (s, 6H, CH_3), 1.75 (d, J = 17.5 Hz, 2H, CH_2), 2.01 (d, J = 17.5 Hz, 2H, CH_2), 2.03 (d, J = 16.2 Hz, 2H, CH_2), 2.12 (d, J = 16.2 Hz, 2H, CH_2), 5.18 (s, 1H, CH), 7.12 (d, J = 8.3 Hz, 2H, ArH), 7.16 (d, J = 7.8 Hz, 2H, ArH), 7.30 (d, J = 8.3 Hz, 2H, ArH), 7.48 (m, 3H, ArH).



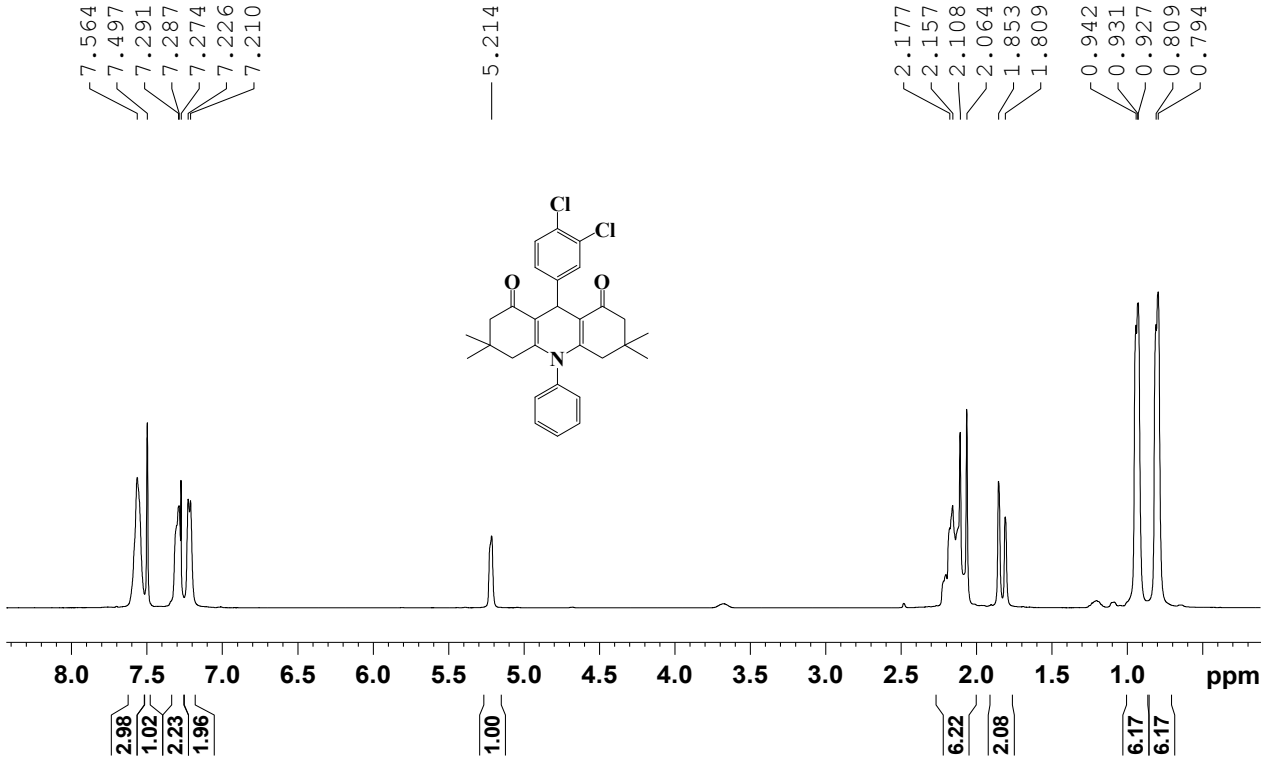
(**5c**): ^{1}H-NMR ($CDCl_3$): δ 0.79 (s, 6H, CH_3), 0.95 (s, 6H, CH_3), 1.85 (d, J = 17.5 Hz, 2H, CH_2), 2.11 (d, J = 17.5 Hz, 2H, CH_2), 2.12 (d, J = 16.2 Hz, 2H, CH_2), 2.21 (d, J = 16.2 Hz, 2H, CH_2), 5.31 (s, 1H, CH), 7.25 (d, J = 8.0 Hz, 2H, ArH), 7.54 (d, J = 8.6 Hz, 2H, ArH), 7.58 (d, J = 8.0 Hz, 2H, ArH), 7.59 (m, 3H, ArH).



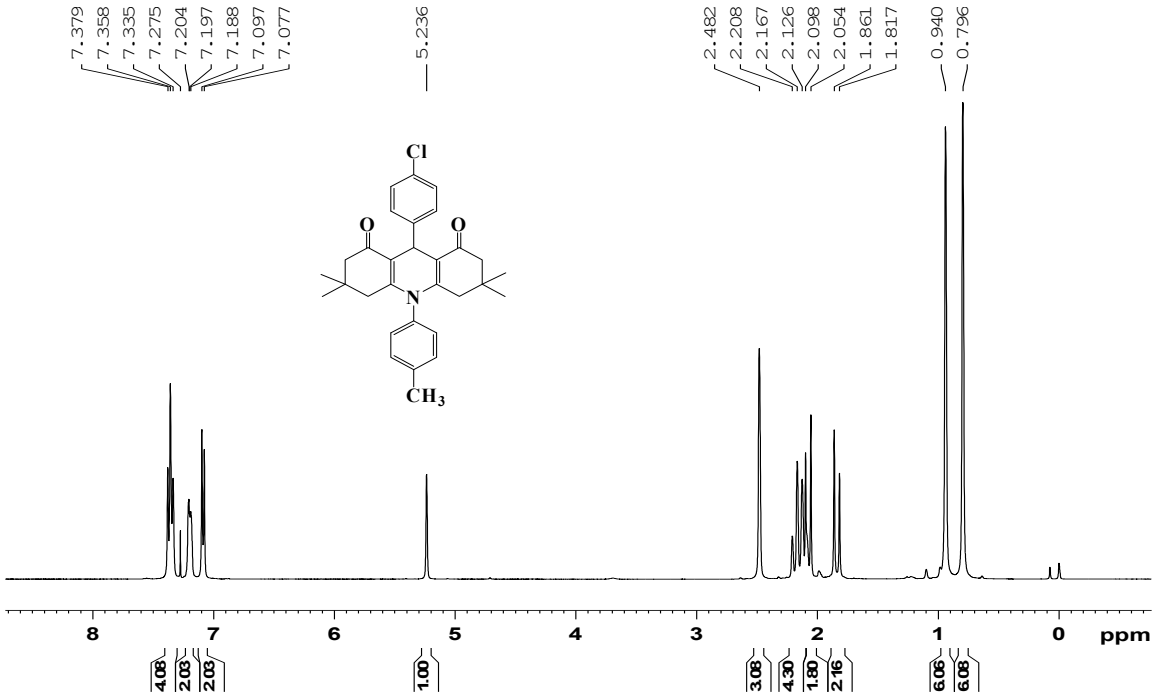
(**5d**): ^{1}H-NMR ($CDCl_3$): δ 0.72 (s, 6H, CH_3), 0.88 (s, 6H, CH_3), 1.77 (d, J = 17.5 Hz, 2H, CH_2), 2.03 (d, J = 17.5 Hz, 2H, CH_2), 2.04 (d, J = 16.3 Hz, 2H, CH_2), 2.14 (d, J = 16.3 Hz, 2H, CH_2), 5.28 (s, 1H, CH), 7.18 (d, J = 8.2 Hz, 2H, ArH), 7.53 (d, J = 8.2 Hz, 2H, ArH), 7.54 (s, 1H, ArH), 7.55 (d, J = 8.8 Hz, 2H, ArH), 8.05 (d, J = 8.8 Hz, 2H, ArH).



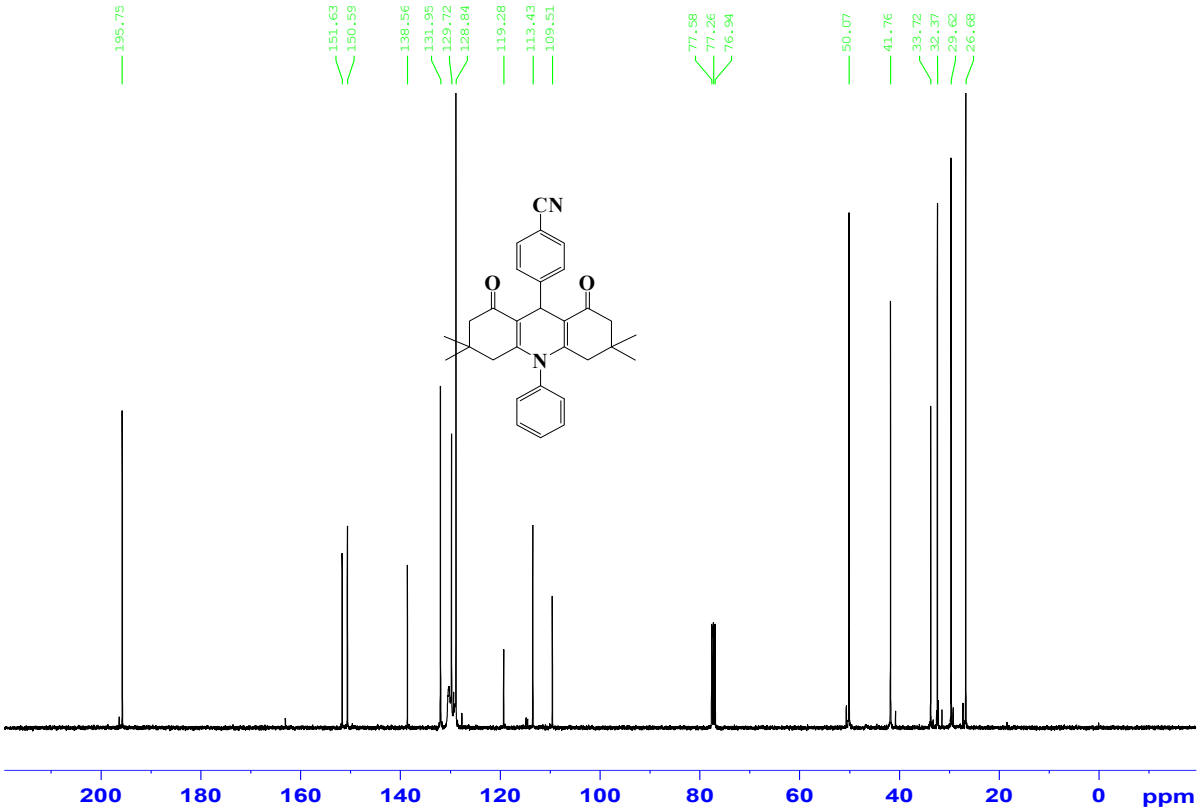
(**5e**): ^{1}H-NMR ($CDCl_3$): δ 0.79 (s, 6H, CH_3), 0.96 (s, 6H, CH_3), 1.87 (d, J = 17.6 Hz, 2H, CH_2), 2.12 (d, J = 16.2 Hz, 2H, CH_2), 2.13 (d, J = 17.6 Hz, 2H, CH_2), 2.22 (d, J = 16.2 Hz, 2H, CH_2), 5.37 (s, 1H, CH), 7.29 (m, 1H, ArH), 7.42 (m, 2H, ArH), 7.59 (m, 3H, ArH), 7.97 (m, 2H, ArH), 8.24 (s, 1H, ArH).



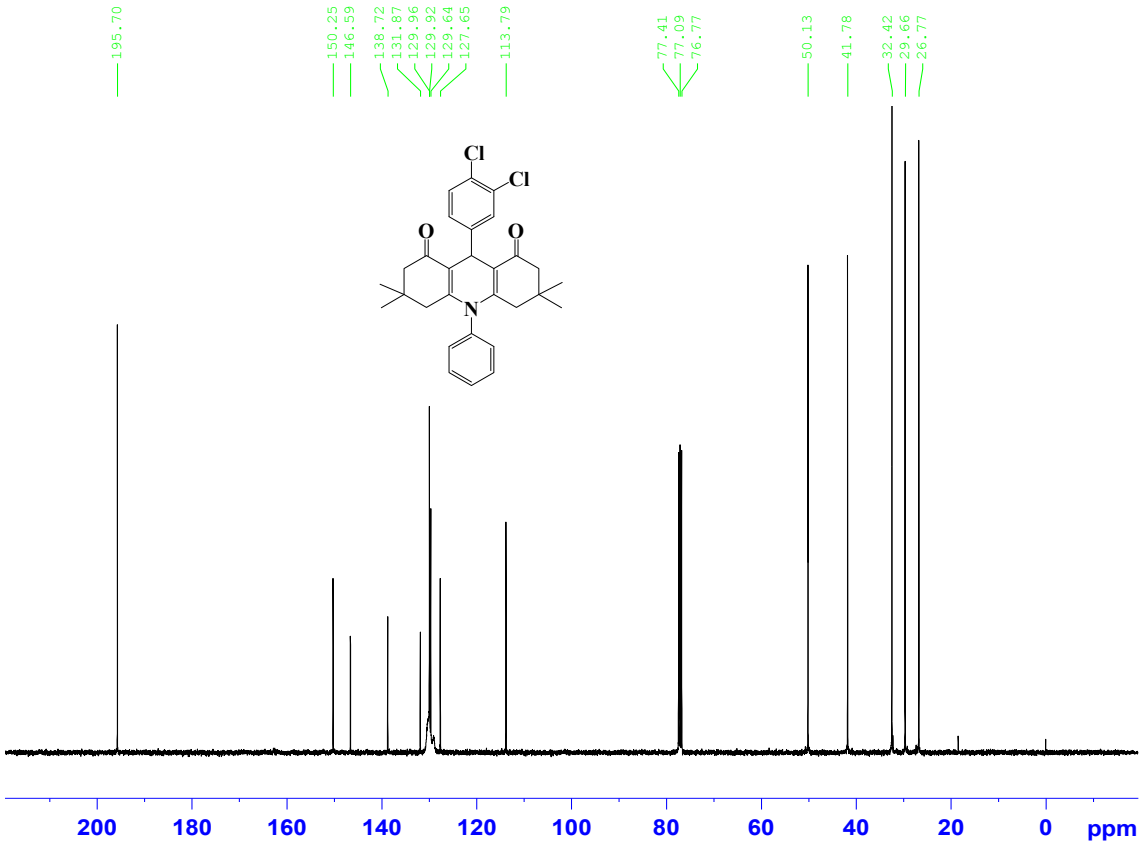
(**5f**): ^{1}H-NMR ($CDCl_3$): δ 0.80 (s, 6H, CH_3), 0.93 (s, 6H, CH_3), 1.83 (d, J = 17.6 Hz, 2H, CH_2), 2.08 (d, J = 17.6 Hz, 2H, CH_2), 2.17 (m, 4H, CH_2), 5.21 (s, 1H, CH), 7.22 (m, 2H, ArH), 7.28 (m, 2H, ArH), 7.50 (s 1H, ArH), 7.56 (m, 3H, ArH).



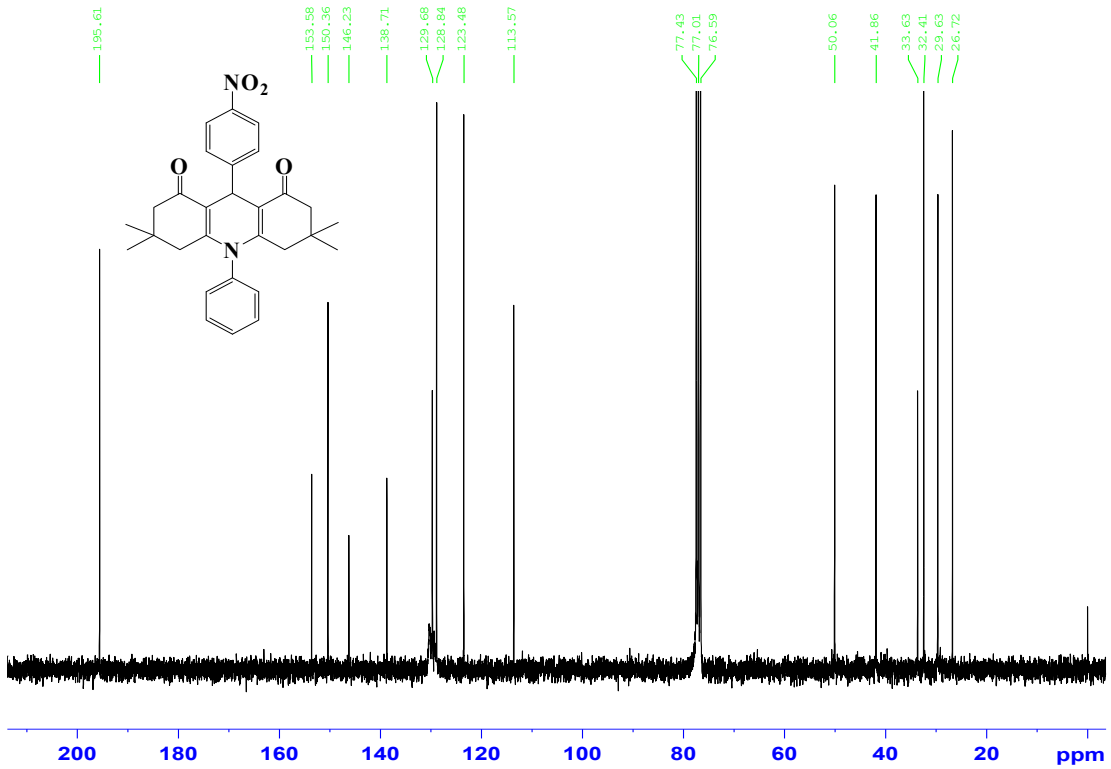
(**5i**): ^{1}H-NMR ($CDCl_3$): δ 0.80 (s, 6H, CH_3), 0.94 (s, 6H, CH_3), 1.84 (d, J = 17.5 Hz, 2H, CH_2), 2.07 (d, J = 17.5 Hz, 2H, CH_2), 2.10 (d, J = 16.3 Hz, 2H, CH_2), 2.19 (d, J = 16.3 Hz, 2H, CH_2), 2.48 (s, 3H, CH_3), 5.24 (s, 1H, CH), 7.08 (d, J = 8.3 Hz, 2H, ArH), 7.19 (d, J = 9.2 Hz, 2H, ArH), 7.34 (d, J = 9.2 Hz, 2H, ArH), 7.37 (d, J = 8.3 Hz, 2H, ArH).



(**5c**): ^{13}C-NMR ($CDCl_3$): δ 195.8, 151.6, 150.6 138.6, 131.9, 129.7, 128.8, 119.3, 113.4, 109.5, 50.1, 41.8, 33.7, 32.4, 29.6, 26.7.



(**5f**): ^{13}C-NMR ($CDCl_3$): δ 195.7, 150.3, 146.6, 138.7, 131.9, 130.0, 129.9, 129.6, 127.6, 113.8, 50.1, 41.8, 32.4, 29.7, 26.8.



(**5d**): ^{13}C-NMR ($CDCl_3$): δ 195.6, 153.6, 150.4, 146.2, 138.7, 129.7, 128.8, 123.5, 113.6, 50.1, 41.9, 33.6, 32.4, 29.6, 26.7.

Elemental Analysis

Document: Untitled (varioELcube) from: --.--.-- (modified)

中国科学技术大学 理化科学实验中心
元素分析仪: Elementar vario EL cube
炉温：燃烧管 950度，还原管 550度

Text report

	Name	Weight [mg]	N [%]	C [%]	H [%]	N Factor	C Fac...	H Factor	Info	Date Time
17	xia-4	2.845	2.78	70.40	6.01	1.0007	1.0221	0.9910		09.09.2011 11:12
18	xia-5	2.219	6.17	79.97	6.80	1.0007	1.0221	0.9910		09.09.2011 11:19

Name: eassuperuser, Access: varioELcube superuser 2011-9-9 14:11:26

varioEL cube V2.0.3 (9395a42)2011-01-27, CHN Mode, Ser. No.: 19111010
Elementar Analysensysteme GmbH

Page 1 (of 1)

Document: Untitled (varioELcube) from: --.--.-- (modified)

中国科学技术大学 理化科学实验中心
元素分析仪: Elementar vario EL cube
炉温：燃烧管 950度，还原管 550度

Text report

	Name	Weight [mg]	N [%]	C [%]	H [%]	N Factor	C Fac...	H Factor	Date	Time
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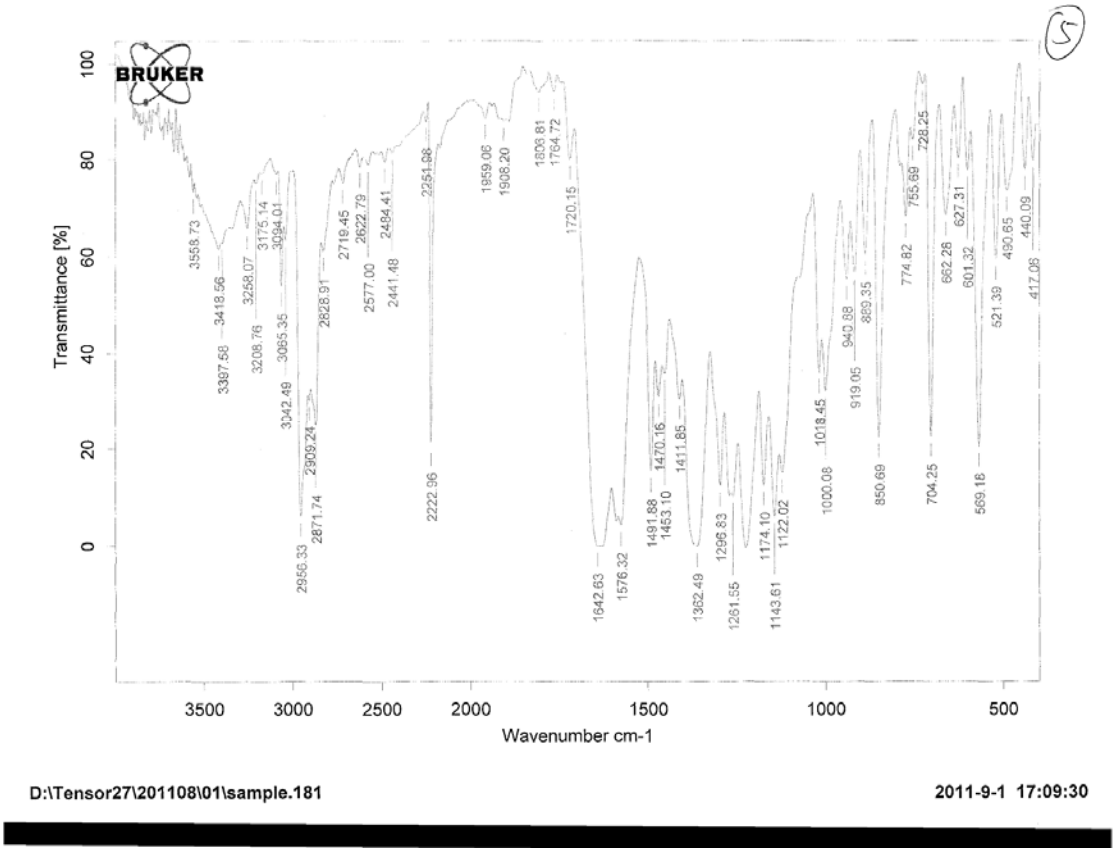
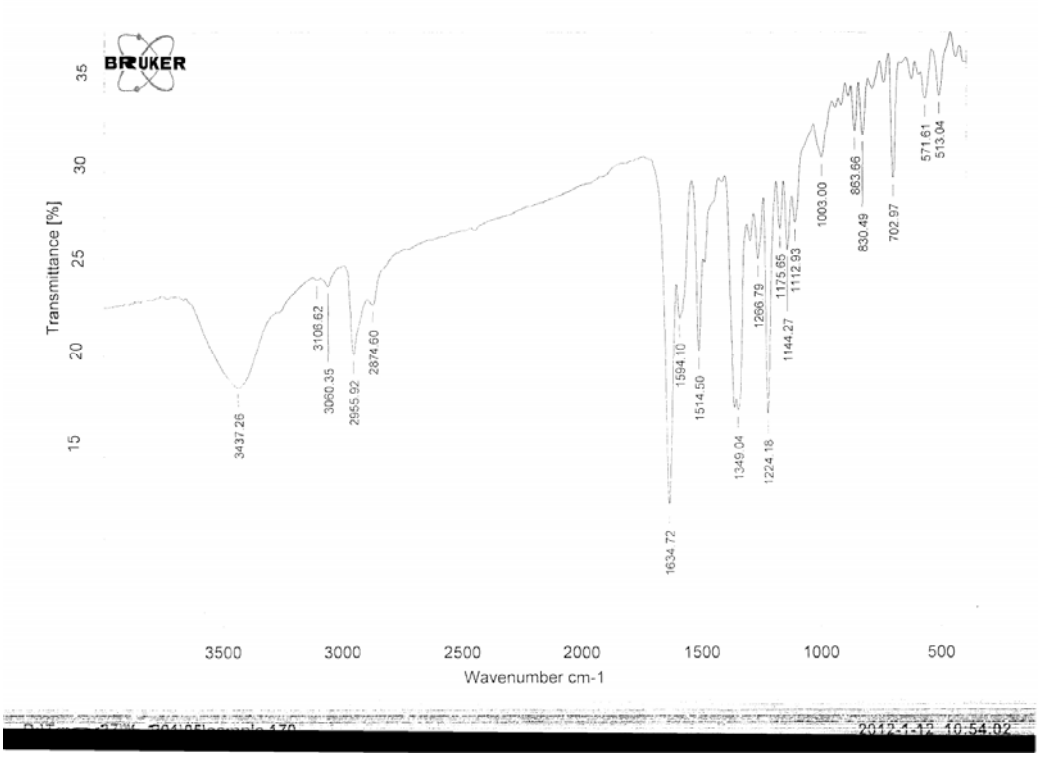
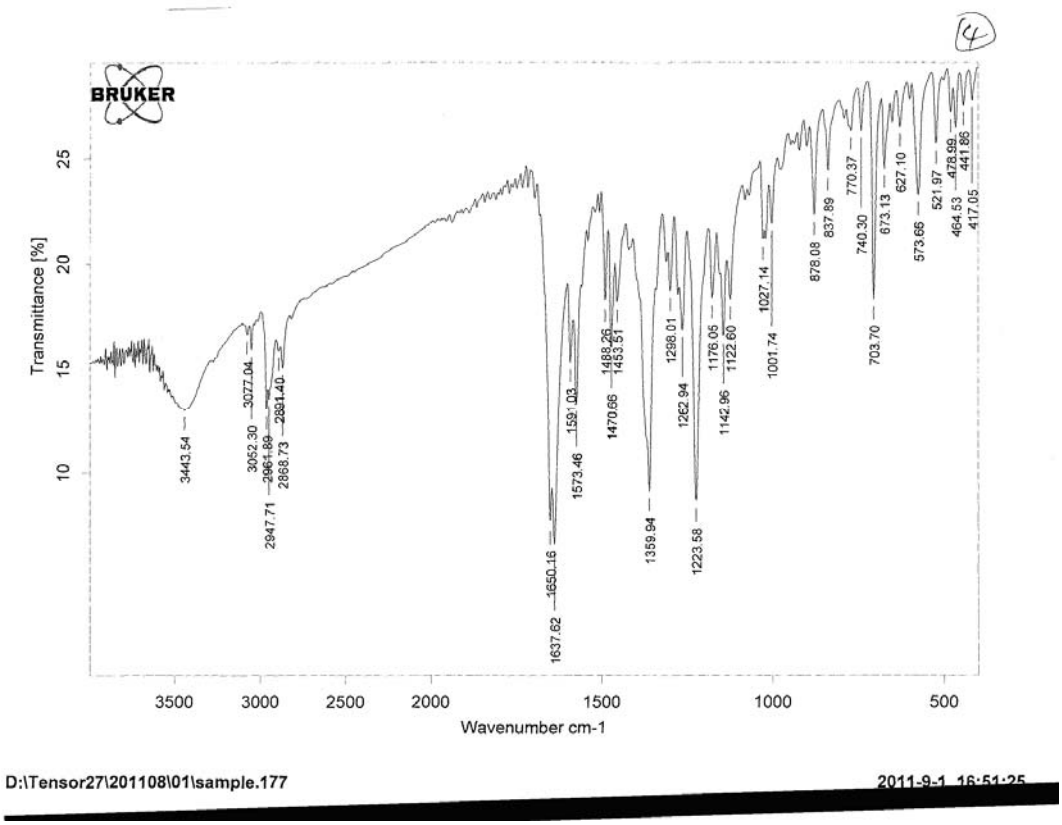


(**5c**): IR (KBr): υ 2956 (s), 2872 (m), 2223 (m), 1643 (s), 1576 (s), 1492 (m), 1362 (s), 1297 (w), 1262 (m), 1174 (w), 1144 (m), 1122 (w), 1000 (m), 851 (s), 704 (s), 569 (s) cm^{-1}.



(**5d**): IR (KBr): υ 2956 (m), 1635 (s), 1594 (w), 1514 (m), 1349 (s), 1224 (m), 1176 (w), 1144 (w), 1113 (w), 1003 (m), 864 (w), 830 (w), 703 (m), 572 (w), 513 (w) cm^{-1}.



(**5f**): IR (KBr): υ 2962 (m), 2948 (m), 1650 (s), 1638 (s), 1573 (m), 1471 (m), 1360 (s), 1224 (s), 1143 (m), 1027 (w), 1002 (w), 878 (m), 704 (s), 574 (m) cm^{-1}.