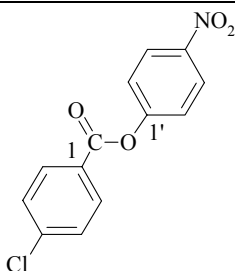
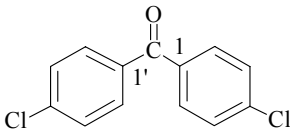
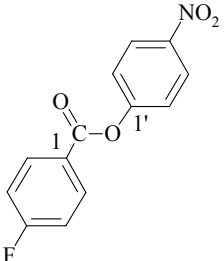
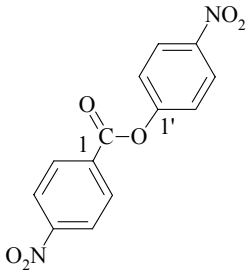
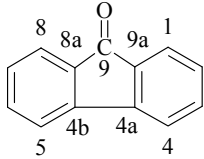
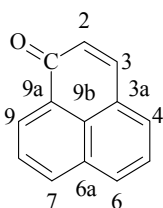


Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / $J$ [Hz]	Ref.
$\text{C}_{13}\text{H}_8\text{ClNO}_4$		$\text{CDCl}_3$	127.1(C1) 131.7(C2/6) 129.1(C3/5) 139.2(C4) 155.2(C1') 123.2(C2'/6') 125.2(C3'/5') 145.1(C4') n.r.(CO)	84O'Co
$\text{C}_{13}\text{H}_8\text{Cl}_2\text{O}$		$\text{CDCl}_3$	135.8(C1/1') 131.4(C2/2'/6/6') 128.9(C3/5) 139.3(C4) 194.1(CO)	85Mie
$\text{C}_{13}\text{H}_8\text{FNO}_4$		$\text{CDCl}_3$	124.8(C1) 132.9(C2/6) 116.1(C3/5) 161.9(C4) 155.3(C1') 123.2(C2'/6') 125.2(C3'/5') 145.1(C4') n.r.(CO) $^1J(\text{F}, \text{C4})=243.5$ $^2J(\text{F}, \text{C3})=22.4$ $^3J(\text{F}, \text{C2})=9.8$ $^4J(\text{F}, \text{C1})=2.9$	84O'Co
$\text{C}_{13}\text{H}_8\text{N}_2\text{O}_6$		$\text{CDCl}_3$	133.8(C1) 131.4(C2/6) 123.9(C3/5) 150.6(C4) 155.0(C1') 123.2(C2'/6') 125.2(C3'/5') 145.2(C4') n.r.(CO)	84O'Co
$\text{C}_{13}\text{H}_8\text{O}$		$\text{CDCl}_3$	124.1(C1/8) 129.0(C2/7) 134.6(C3/6) 120.2(C4/5) 193.6(C9) 144.3(C4a/4b) 134.1(C8a/9a)	77Sto
$\text{C}_{13}\text{H}_8\text{O}$		$\text{CDCl}_3$	185.0(C1) 128.9(C2) 141.3 (C3) 131.0(C4) 126.4(C5) 131.6(C6) 134.5(C7) 126.7(C8) 129.8(C9) 127.5(C3a) 131.9(C6a) 129.3(C9a) 127.3(C9b)	75Hig

Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / $J$ [Hz]	Ref.
$\text{C}_{13}\text{H}_9\text{Br}$		$\text{CDCl}_3$	128.2(C1) 120.5(C2) 129.8(C3) 121.1(C4) 119.3(C5) 127.1 <sup>a</sup> (C6) 126.9 <sup>a</sup> (C7) 125.0(C8) 36.7(C9) 140.7(C4a) 140.7(C4b) 142.8(C8a) 145.2(C9a)	80Kit
$\text{C}_{13}\text{H}_9\text{BrFNO}$		$\text{CDCl}_3$	136.9(C1) 114.6(C2) 162.9(C3) 119.1(C4) 130.6(C5) 122.4(C6) 136.7(C1') 121.9(C2'/6') 132.2(C3'/5') 117.6(C4') 164.4(CO)	97Wai
$\text{C}_{13}\text{H}_9\text{BrFNO}$		$\text{CDCl}_3$	130.8(C1) 129.4(C2/6) 116.0(C3/5) 165.1(C4) 136.9(C1') 121.8(C2'/6') 132.1(C3'/5') 117.4(C4') 164.6(CO)	97Wai
$\text{C}_{13}\text{H}_9\text{BrFNS}$		$\text{CDCl}_3$	144.9(C1) 114.5(C2) 162.6(C3) 118.3(C4) 130.3(C5) 121.8(C6) 137.8(C1') 125.2(C2'/6') 132.2(C3'/5') 120.2(C4') 196.7(CS)	97Wai
$\text{C}_{13}\text{H}_9\text{BrFNS}$		$\text{CDCl}_3$	139.1(C1) 129.0(C2/6) 115.7(C3/5) 164.7(C4) 138.0(C1') 125.3(C2'/6') 132.2(C3'/5') 120.1(C4') 197.3(CS)	97Wai
$\text{C}_{13}\text{H}_9\text{BrO}$		$\text{CDCl}_3$	136.3(C1) 131.5(C2/6) 131.5(C3/5) 127.4(C4) 137.2(C1') 129.9(C2'/6') 128.4(C3'/5') 132.6(C4') 195.3(CO)	77Sha
$\text{C}_{13}\text{H}_9\text{ClFNO}$		$\text{CDCl}_3$	163.1(C1) 107.8(C2) 139.1(C3) 115.5(C4) 130.2(C5) 111.6(C6) 136.4(C1') 127.4(C2') 135.1(C3') 132.1(C4') 130.2(C5') 125.1(C6') 164.4(CO)	94Wai
$\text{C}_{13}\text{H}_9\text{ClFNO}$		$\text{CDCl}_3$	163.1(C1) 107.8(C2) 139.2(C3) 115.4(C4) 130.2(C5) 111.5(C6) 133.0(C1') 129.2(C2'/6') 128.5(C3'/5') 138.5(C4') 164.6(CO)	94Wai
$\text{C}_{13}\text{H}_9\text{ClFNO}$		$\text{CDCl}_3$	159.8(C1) 115.8(C2/6) 122.3(C3/5) 133.6(C4) 136.5(C1') 127.4(C2') 135.1(C3') 132.0(C4') 130.1(C5') 125.1(C6') 164.4(CO)	94Wai

Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / $J$ [Hz]	Ref.
$\text{C}_{13}\text{H}_9\text{ClFNO}$		$\text{CDCl}_3$	159.7(C1) 115.8(C2/6) 122.2(C3/5) 133.6(C4) 133.1(C1') 129.1(C2'/6') 128.4(C3'/5') 138.3(C4') 164.6(CO)	94Wai
$\text{C}_{13}\text{H}_9\text{ClFNO}$		$\text{CDCl}_3$	136.8(C1) 114.6(C2) 162.9(C3) 119.2(C4) 130.6(C5) 122.4(C6) 138.8(C1') 120.4(C2') 134.9(C3') 124.9(C4') 130.1(C5') 118.3(C6') 164.4(CO)	97Wai
$\text{C}_{13}\text{H}_9\text{ClFNO}$		$\text{CDCl}_3$	136.9(C1) 114.6(C2) 162.9(C3) 119.1(C4) 130.6(C5) 122.4(C6) 136.2(C1') 121.6(C2'/6') 129.2(C3'/5') 130.0(C4') 164.4(CO)	97Wai
$\text{C}_{13}\text{H}_9\text{ClFNO}$		$\text{CDCl}_3$	130.8(C1) 129.5(C2/6) 116.0(C3/5) 165.1(C4) 139.0(C1') 120.4(C2') 134.8(C3') 124.8(C4') 130.1(C5') 118.2(C6') 164.7(CO)	97Wai
$\text{C}_{13}\text{H}_9\text{ClFNO}$		$\text{CDCl}_3$	130.8(C1) 129.4(C2/6) 116.0(C3/5) 165.1(C4) 136.4(C1') 121.6(C2'/6') 129.2(C3'/5') 129.8(C4') 164.7(CO)	97Wai
$\text{C}_{13}\text{H}_9\text{ClFNS}$		$\text{CDCl}_3$	162.6(C1) 110.8(C2) 140.1(C3) 118.9(C4) 130.3(C5) 113.9(C6) 144.5(C1') 127.0(C2') 134.8(C3') 131.2(C4') 129.9(C5') 124.7(C6') 196.7(CS)	94Wai
$\text{C}_{13}\text{H}_9\text{ClFNS}$		$\text{CDCl}_3$	162.7(C1) 110.8(C2) 140.3(C3) 119.0(C4) 130.3(C5) 113.9(C6) n.r.(C1') 128.1(C2'/6') 128.8(C3'/5') 137.7(C4') 197.2(CS)	94Wai
$\text{C}_{13}\text{H}_9\text{ClFNS}$		$\text{CDCl}_3$	161.0(C1) 116.0(C2/6) 126.0(C3/5) 134.7(C4) 144.2(C1') 127.0(C2') 134.7(C3') 131.2(C4') 129.9(C5') 124.7(C6') 197.0(CS)	94Wai
$\text{C}_{13}\text{H}_9\text{ClFNS}$		$\text{CDCl}_3$	161.0(C1) 116.0(C2/6) 126.0(C3/5) 134.9(C4) 137.7(C1') 128.8(C2'/6') 128.0(C3'/5') 141.0(C4') 197.4(CS)	94Wai

Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / $J$ [Hz]	Ref.
$\text{C}_{13}\text{H}_9\text{ClFNS}$		$\text{CDCl}_3$	144.8(C1) 114.6(C2) 162.6(C3) 118.3(C4) 130.3(C5) 121.8(C6) 139.8(C1') 123.7(C2') 134.8(C3') 127.2(C4') 130.1(C5') 121.7(C6') 197.0(CS)	97Wai
$\text{C}_{13}\text{H}_9\text{ClFNS}$		$\text{CDCl}_3$	144.9(C1) 114.5(C2) 162.6(C3) 118.3(C4) 130.3(C5) 121.8(C6) 137.3(C1') 125.0(C2'/6') 129.3(C3'/5') 132.4(C4') 196.9(CS)	97Wai
$\text{C}_{13}\text{H}_9\text{ClFNS}$		$\text{CDCl}_3$	139.0(C1) 129.1(C2/6) 115.7(C3/5) 164.7(C4) 140.0(C1') 123.8(C2') 134.7(C3') 127.1(C4') 130.1(C5') 121.9(C6') 197.5(CS)	97Wai
$\text{C}_{13}\text{H}_9\text{ClFNS}$		$\text{CDCl}_3$	139.1(C1) 129.0(C2/6) 115.7(C3/5) 164.7(C4) 137.5(C1') 125.1(C2'/6') 129.3(C3'/5') 132.3(C4') 197.3(CS)	97Wai
$\text{C}_{13}\text{H}_9\text{OCl}$		$\text{CDCl}_3$	135.8(C1) 131.4(C2/6) 128.5 <sup>a</sup> (C3/5) 138.7(C4) 137.2(C1') 129.8(C2'/6') 128.3 <sup>a</sup> (C3'/5') 132.5(C4') 195.0(CO)	77Sha
$\text{C}_{13}\text{H}_9\text{Cl}_2\text{N}$		$\text{CDCl}_3$	132.7(C1) 135.2(C2/6) 128.8(C3/5) 130.7(C4) 151.4(C1') 120.7(C2'/6') 129.2(C3'/5') 126.7(C4') 156.4(C=N)	86Axe
$\text{C}_{13}\text{H}_9\text{F}$		$\text{CDCl}_3$	112.2(C1) 162.3(C2) 113.8(C3) 120.6(C4) 119.5(C5) 126.8(C6) 126.4(C7) 125.0(C8) 36.9(C9) 137.7(C4a) 140.8(C4b) 143.0(C8a) 145.2(C9a)	80Kit
$\text{C}_{13}\text{H}_9\text{FN}_2\text{O}_2\text{S}$		$\text{CDCl}_3$	162.7(C1) 110.9(C2) 139.9(C3) 121.0(C4) 130.4(C5) 114.3(C6) 144.2(C1') 119.0(C2') 148.0(C3') 125.5(C4') 133.1(C5') 129.8(C6') 195.2(CS)	94Wai
$\text{C}_{13}\text{H}_9\text{FN}_2\text{O}_2\text{S}$		$\text{CDCl}_3$	162.8(C1) 110.8(C2) 139.9(C3) 118.8(C4) 130.4(C5) 114.3(C6) 148.1(C1') 127.7(C2'/6') 123.9(C3'/5') 149.1(C4') 195.7(CS)	94Wai

Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / $J$ [Hz]	Ref.
$\text{C}_{13}\text{H}_9\text{FN}_2\text{O}_2\text{S}$		$\text{CDCl}_3$	161.1(C1) 116.2(C2/6) 126.0(C3/5) 134.6(C4) 144.0(C1') 120.9(C2') 148.1(C3') 125.6(C4') 133.2(C5') 129.8(C6') 195.5(CS)	94Wai
$\text{C}_{13}\text{H}_9\text{FN}_2\text{O}_2\text{S}$		$\text{CDCl}_3$	161.1(C1) 116.2(C2/6) 125.9(C3/5) 134.5(C4) 147.9(C1') 127.7(C2'/6') 123.9(C3'/5') 149.1(C4') 196.0(CS)	94Wai
$\text{C}_{13}\text{H}_9\text{FN}_2\text{O}_2\text{S}$		$\text{CDCl}_3$	144.4(C1) 114.6(C2) 162.6(C3) 118.6(C4) 130.5(C5) 121.8(C6) 139.8(C1') 118.7(C2') 148.5(C3') 121.6(C4') 129.9(C5') 129.5(C6') 197.7(CS)	97Wai
$\text{C}_{13}\text{H}_9\text{FN}_2\text{O}_2\text{S}$		$\text{CDCl}_3$	144.8(C1) 114.6(C2) 162.6(C3) 118.7(C4) 130.5(C5) 121.8(C6) 144.2(C1') 124.9(C2'/6') 122.8(C3'/5') 145.2(C4') 197.5(CS)	97Wai
$\text{C}_{13}\text{H}_9\text{FN}_2\text{O}_2\text{S}$		$\text{CDCl}_3$	138.6(C1) 129.1(C2/6) 115.8(C3/5) 165.0(C4) 139.9(C1') 118.8(C2') 148.5(C3') 121.5(C4') 129.9(C5') 129.6(C6') 198.1(CS)	97Wai
$\text{C}_{13}\text{H}_9\text{FN}_2\text{O}_2\text{S}$		$\text{CDCl}_3$	139.1(C1) 129.1(C2/6) 115.9(C3/5) 165.0(C4) 144.4(C1') 124.8(C2'/6') 122.9(C3'/5') 145.1(C4') 197.9(CS)	97Wai
$\text{C}_{13}\text{H}_9\text{FN}_2\text{O}_3$		$\text{CDCl}_3$	163.1(C1) 108.0(C2) 138.8(C3) 115.7(C4) 130.4(C5) 112.0(C6) 136.2(C1') 121.8(C2') 148.4(C3') 126.6(C4') 130.2(C5') 133.3(C6') 163.2(CO)	94Wai
$\text{C}_{13}\text{H}_9\text{FN}_2\text{O}_3$		$\text{CDCl}_3$	163.1(C1) 108.0(C2) 138.7(C3) 115.6(C4) 130.4(C5) 112.1(C6) 140.1(C1') 128.8(C2'/6') 124.1(C3'/5') 150.0(C4') 163.6(CO)	94Wai
$\text{C}_{13}\text{H}_9\text{FN}_2\text{O}_3$		$\text{CDCl}_3$	160.0(C1) 116.0(C2/6) 122.5(C3/5) 133.2(C4) 136.4(C1') 121.7(C2') 148.4(C3') 126.5(C4') 130.2(C5') 133.3(C6') 163.2(CO)	94Wai

Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / $J$ [Hz]	Ref.
$\text{C}_{13}\text{H}_9\text{FN}_2\text{O}_3$		$\text{CDCl}_3$	160.0(C1) 116.0(C2/6) 122.4(C3/5) 133.2(C4) 140.3(C1') 128.2(C2'/6') 124.0(C3'/5') 149.9(C4') 163.6(CO)	94Wai
$\text{C}_{13}\text{H}_9\text{FN}_2\text{O}_3$		$\text{CDCl}_3$	136.3(C1) 114.7(C2) 163.0(C3) 119.6(C4) 130.8(C5) 122.5(C6) 138.8(C1') 115.1(C2') 148.8(C3') 119.4(C4') 130.1(C5') 125.9(C6') 164.6(CO)	97Wai
$\text{C}_{13}\text{H}_9\text{FN}_2\text{O}_3$		$\text{CDCl}_3$	136.3(C1) 114.7(C2) 163.0(C3) 119.7(C4) 130.8(C5) 122.5(C6) 143.1(C1') 119.6(C2'/6') 125.2(C3'/5') 144.1(C4') 164.5(CO)	97Wai
$\text{C}_{13}\text{H}_9\text{FN}_2\text{O}_3$		$\text{CDCl}_3$	130.2(C1) 129.6(C2/6) 116.2(C3/5) 165.3(C4) 139.0(C1') 115.0(C2') 148.8(C3') 119.3(C4') 130.0(C5') 125.9(C6') 164.8(CO)	97Wai
$\text{C}_{13}\text{H}_9\text{FN}_2\text{O}_3$		$\text{CDCl}_3$	130.2(C1) 129.7(C2/6) 116.2(C3/5) 165.4(C4) 143.7(C1') 119.6(C2'/6') 125.2(C3'/5') 143.9(C4') 164.8(CO)	97Wai
$\text{C}_{13}\text{H}_9\text{FO}$		$\text{CDCl}_3$	133.8(C1) 132.6(C2/6) 115.5(C3/5) 165.5(C4) 137.6(C1') 129.9(C2'/6') 128.3(C3'/5') 132.3(C4') 195.0(CO)	77Sha
$\text{C}_{13}\text{H}_9\text{I}$		$\text{CDCl}_3$	134.1(C1) 91.8(C2) 135.7(C3) 121.4(C4) 80Kit 119.9(C5) 127.3(C6) 126.9(C7) 124.9(C8) 36.5(C9) 140.7(C4a) 141.2(C4b) 142.6(C8a) 143.4(C9a)	
$\text{C}_{13}\text{H}_9\text{N}$		$\text{CDCl}_3$	142.4(C1) 130.6(C2) 113.0(C3) 130.6(C4) 129.6(C5) 131.4(C6) 138.8(C1') 127.0(C2'/6') 129.1(C3'/5') 128.5(C4') 118.8(CN)	89Exn
$\text{C}_{13}\text{H}_9\text{N}$		$\text{CDCl}_3$	145.6(C1) 127.7(C2/6) 132.5(C3/5) 110.9(C4) 139.1(C1') 127.2(C2'/6') 129.1(C3'/5') 128.6(C4') 118.9(CN)	89Exn

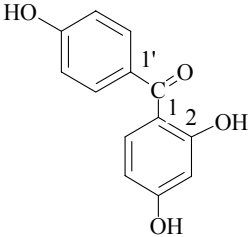
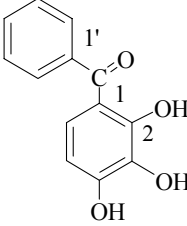
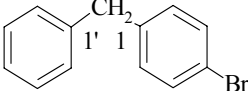
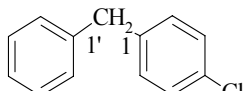
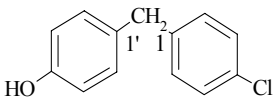
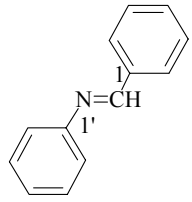
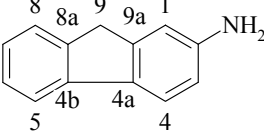
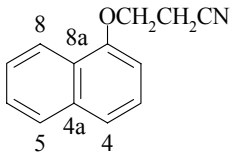
Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / $J$ [Hz]	Ref.
$\text{C}_{13}\text{H}_9\text{N}$		$\text{CDCl}_3$	30.6 <sup>a</sup> (C1) 30.1 <sup>a</sup> (C2) 118.6(C3) 134.3(C4) 98Vas 104.3(C5) 119.7(C6) 130.2(C7) 120.8(C8) 152.5(C2a) 130.5(C5a) 146.6(C8a) 138.3(C8b) 117.9(CN)	
$\text{C}_{13}\text{H}_9\text{NO}$		$\text{CDCl}_3$	140.3(C1) 125.7(C2) 131.2(C3) 113.7(C4) 125.5(C5) 129.2(C6) 128.9(C7) 126.4(C8) 132.7(C4a) 129.3(C8a) 201.2(CO) 117.0(CN) 30.4(CH <sub>3</sub> )	90Per
$\text{C}_{13}\text{H}_9\text{NO}_2$		$\text{CDCl}_3$	110.8(C1) 132.9(C2) 126.7(C3) 131.3(C4) 127.8(C5) 131.6(C6) 127.2(C7) 130.1(C8) 131.0(C4a) 132.6(C8a) 117.6(CN) 167.1(CO) 52.5(OCH <sub>3</sub> )	96Sch
$\text{C}_{13}\text{H}_9\text{NO}_2$		$\text{CDCl}_3$	121.2(C1) 146.7(C2) 123.0(C3) 119.8(C4) 120.3(C5) 127.4(C6) 128.8(C7) 125.3(C8) 36.8(C9) 148.0(C4a) 139.3(C4b) 144.8(C8a) 143.8(C9a)	80Kit
$\text{C}_{13}\text{H}_9\text{NO}_2\text{S}$		$\text{CDCl}_3$	143.5(C1) 111.2(C2) 133.4(C3) 133.5(C4) 135.6(C5) 129.8(C6) 139.4(C1') 128.6(C2'/6') 129.4(C3'/5') 134.2(C4') 115.6(CN)	95Per
$\text{C}_{13}\text{H}_9\text{NO}_2\text{S}$		$\text{CDCl}_3$	143.4(C1) 131.1(C2) 113.8(C3) 136.2(C4) 130.4(C5) 131.5(C6) 140.1(C1') 127.8(C2'/6') 129.6(C3'/5') 134.0(C4') 117.0(CN)	95Per
$\text{C}_{13}\text{H}_9\text{NO}_3$		$\text{CDCl}_3$	142.9(C1) 130.6(C2/6) 123.6(C3/5) 149.9(C4) 136.4(C1') 130.1(C2'/6') 128.7(C3'/5') 133.4(C4') 194.7(CO)	77Sha
$\text{C}_{13}\text{H}_9\text{NO}_4$		$\text{CDCl}_3$	128.2(C1) 129.9(C2/6) 128.9(C3/5) 134.3(C4) 155.4(C1') 123.2(C2'/6') 125.2(C3'/5') 145.1(C4') n.r.(CO)	84O'Co

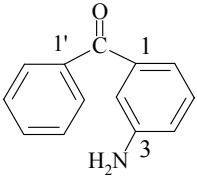
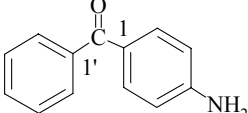
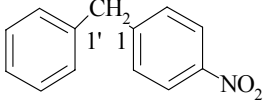
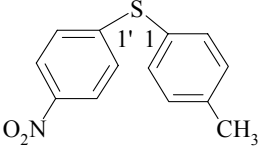
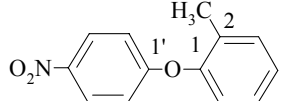
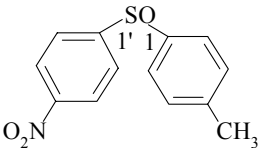
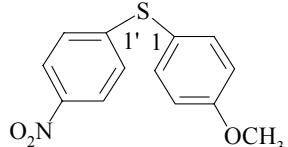
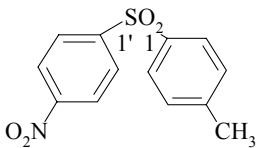
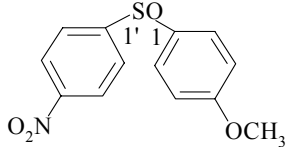
Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / $J$ [Hz]	Ref.
$\text{C}_{13}\text{H}_9\text{N}_3\text{O}_4$		$\text{CDCl}_3$	128.6(C1) 149.7(C2/6) 128.7(C3/5) 130.5(C4) 150.6(C1') 120.7(C2'/6') 129.3(C3'/5') 127.1(C4') 153.4(C=N)	86Axe
$\text{C}_{13}\text{H}_{10}$		$\text{CDCl}_3$	124.9(C1/8) 126.6(C2/7) 126.6(C3/6) 119.8(C4/5) 36.8(C9) 141.7(C4a/4b) 143.2(C8a/9a)	78Fri
$\text{C}_{13}\text{H}_{10}\text{BrN}$		$\text{CDCl}_3$	135.9(C1) 129.1(C2/6) 128.8(C3/5) 131.7(C4) 151.0(C1') 118.1(C2') 133.0(C3') 126.6(C4') 128.3(C5') 119.7(C6') 161.7(C=N)	86Axe
$\text{C}_{13}\text{H}_{10}\text{ClN}$		$\text{CDCl}_3$	133.4(C1) 136.1(C2) 127.1(C3) 130.0(C4) 132.2(C5) 128.7(C6) 151.9(C1') 121.1(C2'/6') 129.3(C3'/5') 126.4(C4') 157.0(C=N)	86Axe
$\text{C}_{13}\text{H}_{10}\text{ClN}$		$\text{CDCl}_3$	134.7(C1) 130.0(C2/6) 129.1(C3/5) 137.4(C4) 151.7(C1') 120.8(C2'/6') 129.2(C3'/5') 126.2(C4') 158.8(C=N)	86Axe
$\text{C}_{13}\text{H}_{10}\text{ClN}$		$\text{CDCl}_3$	135.9(C1) 129.1(C2/6) 128.8(C3/5) 131.8(C4) 149.6(C1') 127.8(C2') 130.1(C3') 126.3(C4') 129.4(C5') 118.9(C6') 162.1(C=N)	86Axe
$\text{C}_{13}\text{H}_{10}\text{FNO}$		$\text{CDCl}_3$	163.1(C1) 107.7(C2) 139.5(C3) 115.4(C4) 130.1(C5) 111.3(C6) 134.7(C1') 128.8(C2'/6') 127.0(C3'/5') 132.1(C4') 165.7(CO)	94Wai



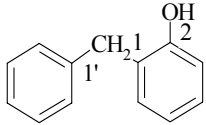
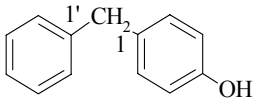
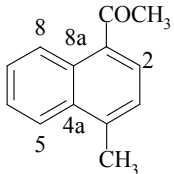
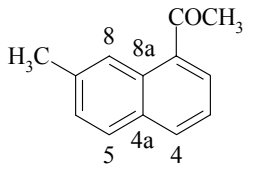
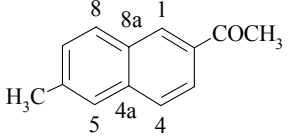
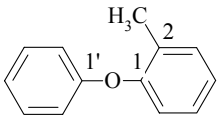
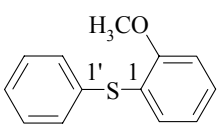
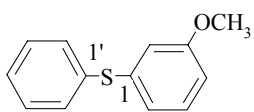
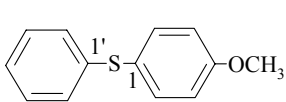
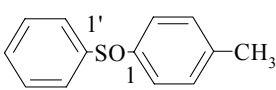
Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / $J$ [Hz]	Ref.
$\text{C}_{13}\text{H}_{10}\text{FNO}$		$\text{CDCl}_3$	159.6(C1) 115.8(C2/6) 122.1(C3/5) 133.9(C4) 134.8(C1') 128.8(C2'/6') 127.0(C3'/5') 131.9(C4') 165.7(CO)	94Wai
$\text{C}_{13}\text{H}_{10}\text{FNO}$		$\text{CDCl}_3$	137.3(C1) 114.5(C2) 162.9(C3) 118.8(C4) 130.5(C5) 122.4(C6) 137.6(C1') 120.4(C2'/6') 129.1(C3'/5') 124.9(C4') 164.5(CO)	97Wai
$\text{C}_{13}\text{H}_{10}\text{FNO}$		$\text{CDCl}_3$	131.2(C1) 129.4(C2/6) 115.9(C3/5) 165.0(C4) 137.8(C1') 120.3(C2'/6') 129.2(C3'/5') 124.8(C4') 164.7(CO)	97Wai
$\text{C}_{13}\text{H}_{10}\text{FNS}$		$\text{CDCl}_3$	162.7(C1) 110.8(C2) 140.4(C3) 118.9(C4) 130.2(C5) 113.7(C6) 143.1(C1') 126.7(C2'/6') 128.7(C3'/5') 131.4(C4') 198.7(CS)	94Wai
$\text{C}_{13}\text{H}_{10}\text{FNS}$		$\text{CDCl}_3$	160.9(C1) 115.9(C2/6) 125.9(C3/5) 135.0(C4) 142.8(C1') 126.7(C2'/6') 128.7(C3'/5') 131.4(C4') 199.0(CS)	94Wai
$\text{C}_{13}\text{H}_{10}\text{FNS}$		$\text{CDCl}_3$	145.2(C1) 144.5(C2) 162.6(C3) 118.1(C4) 130.2(C5) 121.8(C6) 138.8(C1') 123.7(C2'/6') 129.1(C3'/5') 127.2(C4') 196.6(CS)	97Wai
$\text{C}_{13}\text{H}_{10}\text{FNS}$		$\text{CDCl}_3$	139.3(C1) 129.0(C2/6) 115.6(C3/5) 164.6(C4) 139.0(C1') 123.8(C2'/6') 129.1(C3'/5') 127.1(C4') 197.1(CS)	97Wai
$\text{C}_{13}\text{H}_{10}\text{N}_2$		$\text{CDCl}_3$	129.4(C1) 125.0(C2/6) 129.0(C3/5) 125.4(C4) 62.3(C)	77Alb
$\text{C}_{13}\text{H}_{10}\text{N}_2\text{O}_2$		$\text{CDCl}_3$	142.6(C1) 130.2(C2/6) 124.7(C3/5) 150.3(C4) 152.0(C1') 121.0(C2'/6') 130.2(C3'/5') 127.9(C4') 158.2(C=N)	80Buc

Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / $J$ [Hz]	Ref.
$\text{C}_{13}\text{H}_{10}\text{N}_2\text{O}_2$		$\text{CDCl}_3$	135.4(C1) 129.3(C2/6) 128.9(C3/5) 132.4(C4) 157.9(C1') 121.2(C2'/6') 125.0(C3'/5') 145.4(C4') 162.7(C=N)	86Axe
$\text{C}_{13}\text{H}_{10}\text{N}_2\text{O}_5$		$\text{CDCl}_3$	150.5(C1) 129.7(C2) 127.5(C3) 126.3(C4) 131.7(C5) 120.1(C6) 154.9(C1') 138.2(C2') 121.3(C3') 140.4(C4') 128.3(C5') 116.8(C6') 15.8(2-CH <sub>3</sub> )	74Buc
$\text{C}_{13}\text{H}_{10}\text{O}$		$\text{CDCl}_3$	137.6(C1/1') 129.9(C2/2'/6/6') 128.2(C3/3'/5/5') 132.3(C4/4') 196.3(CO)	77Sha
$\text{C}_{13}\text{H}_{10}\text{OS}$		$\text{CDCl}_3$	136.6(C1) 127.4(C2/6) 129.1(C3/5) 133.5(C4) 127.6(C1') 135.0(C2'/6') 129.3(C3'/5') 128.6(C4') 189.7(CO)	82Lla
$\text{C}_{13}\text{H}_{10}\text{OSe}$		$\text{CDCl}_3$	138.4(C1) 127.1(C2/6) 128.8(C3/5) 133.7(C4) 125.8(C1') 136.2(C2'/6') 129.1(C3'/5') 128.8(C4') 192.7(CO)	82Lla
$\text{C}_{13}\text{H}_{10}\text{OTe}$		$\text{CDCl}_3$	142.6(C1) 126.9(C2/6) 123.0(C3/5) 133.9(C4) 113.6(C1') 140.2(C2'/6') 129.0(C3'/5') 129.4(C4') 196.0(CO)	82Lla
$\text{C}_{13}\text{H}_{10}\text{O}_2$		$\text{CDCl}_3$	129.6(C1) 130.1(C2/6) 128.5(C3/5) 133.4(C4) 151.0(C1') 121.7(C2'/6') 129.3(C3'/5') 125.7(C4') 164.3(CO)	82Lla
$\text{C}_{13}\text{H}_{10}\text{O}_2$		$\text{CDCl}_3$	129.3(C1) 133.1(C2/6) 115.4(C3/5) 161.0(C4) 138.0(C1') 129.4(C2'/6') 128.3(C3'/5') 132.2(C4') 197.0(CO)	77Sha
$\text{C}_{13}\text{H}_{10}\text{O}_2$		$\text{CDCl}_3$	142.7(C1) n.r.(C2) 130.0(C3) 128.7(C4) 131.6(C5) 130.5(C6) 140.3(C1') 127.4(C2'/6') 127.8(C3'/5') 126.5(C4') n.r.(CO)	79Mar1
$\text{C}_{13}\text{H}_{10}\text{O}_3\text{S}$		$\text{CDCl}_3$	142.2(C1) 133.6(C2) 129.5(C3) 133.9 <sup>a</sup> (C4) 133.8 <sup>a</sup> (C5) 129.5(C6) 141.4(C1') 127.4(C2'/6') 129.6(C3'/5') 133.8(C4') 189.3(CHO)	95Per

Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / $J$ [Hz]	Ref.
$\text{C}_{13}\text{H}_{10}\text{O}_4$		$\text{CDCl}_3$	112.6(C1) 165.8(C2) 103.3(C3) 164.5(C4) 107.8(C5) 135.5(C6) 129.5(C1') 131.5(C2'/6') 115.2(C3'/5') 160.9(C4') 198.6(CO)	97Han
$\text{C}_{13}\text{H}_{10}\text{O}_4$		$\text{CDCl}_3$	113.1(C1) 152.5(C2) 151.4(C3) 151.4(C4) 107.3(C5) 126.3(C6) 138.3(C1') 128.9(C2'/6') 128.2(C3'/5') 131.4(C4') 200.5(CO)	97Han
$\text{C}_{13}\text{H}_{11}\text{Br}$		$\text{Ac-d}_6$	141.3(C1) 131.5(C2/6) 132.0(C3/5) 120.2(C4) 141.3(C1') 129.5(C2'/6') 129.2(C3'/5') 126.8(C4') 41.6(CH2)	80Nak
$\text{C}_{13}\text{H}_{11}\text{Cl}$		$\text{Ac-d}_6$	141.0(C1) 131.2(C2/6) 129.3(C3/5) 132.1(C4) 141.6(C1') 129.6(C2'/6') 129.3(C3'/5') 127.0(C4') 41.6(CH2)	80Nak
$\text{C}_{13}\text{H}_{11}\text{ClO}$		$\text{Ac-d}_6$	131.9(C1) 129.0(C2/6) 131.0(C3/5) 141.6(C4) 132.2(C1') 130.5(C2'/6') 116.1(C3'/5') 156.4(C4') 40.8(CH2)	80Nak
$\text{C}_{13}\text{H}_{11}\text{N}$		$\text{CDCl}_3$	137.3(C1) 129.6(C2/6) 129.5(C3/5) 132.1(C4) 153.2(C1') 121.6(C2'/6') 129.9(C3'/5') 126.7(C4') 161.2(C)	80Buc
$\text{C}_{13}\text{H}_{11}\text{N}$		$\text{CDCl}_3$	111.7(C1) 145.7(C2) 113.9(C3) 120.6(C4) 118.5(C5) 126.6(C6) 125.0(C7) 124.7(C8) 36.8(C9) 132.9(C4a) 142.2 <sup>a</sup> (C4b) 142.1 <sup>a</sup> (C8a) 145.1(C9a)	80Kit
$\text{C}_{13}\text{H}_{11}\text{NO}$		$\text{CDCl}_3$	153.5(C1) 105.2(C2) 125.5(C3) 121.4(C4) 121.9(C5) 126.8(C6) 127.6(C7) 125.5(C8) 125.7(C4a) 134.6(C8a) 62.9(OCH2) 18.7(CH2CN) 117.5(CN)	96Pom

Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / $J$ [Hz]	Ref.
$\text{C}_{13}\text{H}_{11}\text{NO}$		$\text{CDCl}_3$	137.8 <sup>a</sup> (C1) 115.8(C2) 146.6(C3) 118.9(C4) 130.0(C5) 120.5(C6) 138.7 <sup>a</sup> (C1') 130.0(C2'/6') 128.1(C3'/5') 133.2(C4') 196.9(CO)	91Bud
$\text{C}_{13}\text{H}_{11}\text{NO}$		$\text{CDCl}_3$	127.1(C1) 132.9(C2/6) 113.6(C3/5) 151.4(C4) 139.0(C1') 129.5(C2'/6') 128.0(C3'/5') 131.4(C4') 195.4(CO)	77Sha
$\text{C}_{13}\text{H}_{11}\text{NO}_2$		$\text{Ac-d}_6$	150.0(C1) 130.4(C2/6) 124.1(C3/5) 147.2(C4) 140.4(C1') 129.6(C2'/6') 129.4(C3'/5') 127.2(C4') 42.0( $\text{CH}_2$ )	80Nak
$\text{C}_{13}\text{H}_{11}\text{NO}_2\text{S}$		$\text{CDCl}_3$	126.4(C1) 135.0(C2/6) 130.8(C3/5) 140.2(C4) 145.0(C1') 126.0(C2'/6') 123.9(C3'/5') 149.3(C4') 21.3( $\text{CH}_3$ )	87Cha
$\text{C}_{13}\text{H}_{11}\text{NO}_3$		$\text{CDCl}_3$	151.7(C1) 130.1(C2) 127.3(C3) 124.5(C4) 131.5(C5) 120.7(C6) 162.4(C1') 115.8(C2'/6') 125.5(C3'/5') 141.8(C4') 15.8( $\text{CH}_3$ )	74Buc
$\text{C}_{13}\text{H}_{11}\text{NO}_3\text{S}$		$\text{CDCl}_3$	142.9(C1) 125.2(C2/6) 130.5(C3/5) 141.3(C4) 153.3(C1') 125.3(C2'/6') 124.4(C3'/5') 149.2(C4') 21.5( $\text{CH}_3$ )	89Cha
$\text{C}_{13}\text{H}_{11}\text{NO}_3\text{S}$		$\text{CDCl}_3$	119.9(C1) 137.0(C2/6) 115.6(C3/5) 161.0(C4) 144.8(C1') 125.4(C2'/6') 123.8(C3'/5') 150.0(C4') 55.3( $\text{OCH}_3$ )	87Cha
$\text{C}_{13}\text{H}_{11}\text{NO}_4\text{S}$		$\text{CDCl}_3$	137.0(C1) 128.1(C2/6) 130.4(C3/5) 145.4(C4) 147.8(C1') 128.8(C2'/6') 124.5(C3'/5') 150.2(C4') 21.7( $\text{CH}_3$ )	89Cha
$\text{C}_{13}\text{H}_{11}\text{NO}_4\text{S}$		$\text{CDCl}_3$	135.3(C1) 127.4(C2/6) 115.2(C3/5) 162.6(C4) 153.2(C1') 125.2(C2'/6') 124.2(C3'/5') 149.0(C4') 55.5( $\text{OCH}_3$ )	89Cha

Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / $J$ [Hz]	Ref.
$\text{C}_{13}\text{H}_{11}\text{NO}_5\text{S}$		$\text{CDCl}_3$	131.3(C1) 130.4(C2/6) 115.0(C3/5) 164.1(C4) 148.2(C1') 128.6(C2'/6') 124.5(C3'/5') 150.1(C4') 55.8( $\text{OCH}_3$ )	89Cha
$\text{C}_{13}\text{H}_{12}$		$\text{CCl}_4$	131.1(C1/3) 22.9(C2) 123.3(C4/9) 124.8(C5/8) 125.6(C6/7) 135.3(C3a/9a) 133.5(C6a) 129.8(C9b)	73Hun
$\text{C}_{13}\text{H}_{12}$		n.r.	138.5(C1) 127.0(C2/6) 129.5(C3/5) 136.8(C4) 141.4(C1') 127.0(C2'/6') 128.7(C3'/5') 127.0(C4') 21.0( $\text{CH}_3$ )	76Bul1
$\text{C}_{13}\text{H}_{12}$		$\text{CCl}_4$	140.4(C1/1') 128.4(C2/2'/6/6') 127.9(C3/3'/5/5') 125.6(C4/4') 41.7( $\text{CH}_2$ )	73Hun
$\text{C}_{13}\text{H}_{12}$		$\text{CDCl}_3$	144.7(C1) 124.5(C2) 125.2(C3) 127.2(C4) 128.3(C5) 125.6 <sup>a</sup> (C6) 125.8 <sup>a</sup> (C7) 125.8 <sup>a</sup> (C8) 133.9(C4a) 131.0(C8a) 142.3(=C) 116.1(=CH <sub>2</sub> ) 25.1( $\text{CH}_3$ )	77Kit
$\text{C}_{13}\text{H}_{12}\text{N}_2$		$\text{CDCl}_3$	110.4(C1) 132.5(C2) 123.9(C3) 129.7(C4) 151.7(C5) 115.6(C6) 128.6(C7) 119.6(C8) 128.5(C4a) 133.9(C8a) 118.2(CN) 45.2( $\text{CH}_3$ )	96Sch
$\text{C}_{13}\text{H}_{12}\text{N}_2$		$\text{CDCl}_3$	150.8(C1) 120.8(C2/6) 129.1(C3/5) 137.5(C4) 153.6(C1') 120.1(C2'/6') 128.6(C3'/5') 126.9(C4') 21.0( $\text{CH}_3$ )	83Sim
$\text{C}_{13}\text{H}_{12}\text{N}_2$		$\text{CDCl}_3$	150.6(C1) 122.8(C2/6) 129.5(C3/5) 141.2(C4) 152.6(C1') 122.6(C2'/6') 128.8(C3'/5') 130.5(C4') 21.3( $\text{CH}_3$ )	83Sim
$\text{C}_{13}\text{H}_{12}\text{O}$		$\text{CDCl}_3$	143.7(C1/1') 126.4 <sup>a</sup> (C2/2'/6/6') 128.2 <sup>a</sup> (C3/3'/5/5') 127.2(C4/4') 75.8(CH)	72Jon

Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / $J$ [Hz]	Ref.
$\text{C}_{13}\text{H}_{12}\text{O}$		$\text{Ac-d}_6$	128.3(C1) 155.4(C2) 115.6(C3) 127.8(C4) 120.1(C5) 131.0(C6) 141.9(C1') 129.4(C2'/6') 128.6(C3'/5') 126.1(C4') 36.2( $\text{CH}_2$ )	78Nak
$\text{C}_{13}\text{H}_{12}\text{O}$		$\text{Ac-d}_6$	132.7(C1) 130.3(C2/6) 115.8(C3/5) 156.1(C4) 142.6(C1') 129.2(C2'/6') 128.8(C3'/5') 126.3(C4') 41.4( $\text{CH}_2$ )	78Nak
$\text{C}_{13}\text{H}_{12}\text{O}$		$\text{CDCl}_3$	133.1(C1) 128.7(C2) 124.9(C3) 139.7(C4) 123.9(C5) 125.9 <sup>a</sup> (C6) 126.4 <sup>a</sup> (C7) 127.2(C8) 132.6(C4a) 130.0(C8a) 200.9(CO) 29.4( $\text{COCH}_3$ ) 19.7( $\text{CH}_3$ )	90Per
$\text{C}_{13}\text{H}_{12}\text{O}$		$\text{CDCl}_3$	134.9(C1) 129.2(C2) 125.7, 132.8(C3, C4) 128.5(C5) 128.6, 137.8(C6, C7) 123.6(C8) 132.8(C4a) 131.0(C8a) n.r.(CO) n.r.( $\text{COCH}_3$ ) n.r.( $\text{CH}_3$ )	74Wel
$\text{C}_{13}\text{H}_{12}\text{O}$		$\text{CDCl}_3$	129.4(C1) 134.3(C2) 124.3(C3) 128.0(C4) 127.2(C5) 138.9(C6) 129.7(C7) 130.3(C8) 136.3(C4a) 131.2(C8a) n.r.(CO) n.r.( $\text{COCH}_3$ ) n.r.( $\text{CH}_3$ )	74Wel
$\text{C}_{13}\text{H}_{12}\text{O}$		$\text{CDCl}_3$	154.5(C1) 131.1(C2) 126.8(C3) 121.8(C4) 129.7(C5) 119.6(C6) 157.8(C1') 117.4(C2'/6') 129.3(C3'/5') 117.4(C4') 16.0( $\text{CH}_3$ )	95Nev
$\text{C}_{13}\text{H}_{12}\text{OS}$		$\text{CDCl}_3$	123.9(C1) 157.2(C2) 110.8(C3) 128.3(C4) 121.2(C5) 131.6(C6) 134.5(C1') 131.3(C2'/6') 129.1(C3'/5') 127.0(C4') 55.8( $\text{OCH}_3$ )	95Per
$\text{C}_{13}\text{H}_{12}\text{OS}$		$\text{CDCl}_3$	137.1(C1) 115.9(C2) 160.0(C3) 112.6(C4) 129.9(C5) 122.8(C6) 135.2(C1') 131.3(C2'/6') 129.1(C3'/5') 127.1(C4') 55.0( $\text{OCH}_3$ )	95Per
$\text{C}_{13}\text{H}_{12}\text{OS}$		$\text{CDCl}_3$	124.2(C1) 135.2(C2/6) 114.9(C3/5) 159.2(C4) 138.6(C1') 128.8(C2'/6') 128.7(C3'/5') 125.6(C4') 55.2( $\text{OCH}_3$ )	87Cha
$\text{C}_{13}\text{H}_{12}\text{OS}$		$\text{CDCl}_3$	142.5(C1) 125.0 <sup>a</sup> (C2/6) 130.0(C3/5) 141.6(C4) 145.8(C1') 124.7(C2'/6') 129.3(C3'/5') 130.9(C4') 21.4( $\text{CH}_3$ )	89Cha

Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / $J$ [Hz]	Ref.
$\text{C}_{13}\text{H}_{12}\text{OS}$		$\text{CDCl}_3$	131.3 <sup>a</sup> (C1) 129.1(C2) 119.0(C3) 143.4(C4) 123.8(C5) 126.3(C6) 128.3(C7) 126.8(C8) 130.1 <sup>a</sup> (C4a) 131.0 <sup>a</sup> (C8a) 200.8(CO) 29.6(CH <sub>3</sub> ) 15.0(SCH <sub>3</sub> )	90Per
$\text{C}_{13}\text{H}_{12}\text{O}_2$		$\text{Ac-d}_6$	128.6(C1) 143.7(C2) 145.0(C3) 113.7(C4) 119.8(C5) 122.2(C6) 141.8(C1') 129.3(C2'/6') 128.6(C3'/5') 126.2(C4') 36.0(CH <sub>2</sub> )	78Nak
$\text{C}_{13}\text{H}_{12}\text{O}_2$		$\text{Ac-d}_6$	119.5(C1) 156.2(C2) 103.2(C3) 157.1(C4) 107.3(C5) 131.6(C6) 142.6(C1') 129.2(C2'/6') 128.6(C3'/5') 126.0(C4') 35.6(CH <sub>2</sub> )	78Nak
$\text{C}_{13}\text{H}_{12}\text{O}_2$		$\text{Ac-d}_6$	129.4(C1) 148.3(C2) 116.4(C3) 114.1(C4) 150.6(C5) 117.7(C6) 141.7(C1') 129.4(C2'/6') 128.6(C3'/5') 126.1(C4') 36.2(CH <sub>2</sub> )	78Nak
$\text{C}_{13}\text{H}_{12}\text{O}_2$		$\text{Ac-d}_6$	133.6(C1) 116.4(C2) 145.3(C3) 143.7(C4) 115.7(C5) 120.7(C6) 142.4(C1') 129.2(C2'/6') 128.7(C3'/5') 126.2(C4') 41.6(CH <sub>2</sub> )	78Nak
$\text{C}_{13}\text{H}_{12}\text{O}_2$		$\text{CDCl}_3$	127.1(C1) 131.9(C2) 102.0(C3) 159.2(C4) 122.0(C5) 125.7(C6) 128.6(C7) 126.2(C8) 125.7(C4a) n.r.(C8a) 199.9(CO) 29.3(CH <sub>3</sub> ) 55.7(OCH <sub>3</sub> )	90Per
$\text{C}_{13}\text{H}_{12}\text{O}_2$		$\text{CDCl}_3$	115.0(C1) 163.0(C2) 119.6(C3) 136.7(C4) 124.3(C5) 123.5(C6) 127.8(C7) 129.3(C8) 128.5(C4a) 131.5(C8a) 208.2(CO) 37.2(CH <sub>2</sub> ) 9.5(CH <sub>3</sub> )	94Han
$\text{C}_{13}\text{H}_{12}\text{O}_2\text{S}$		$\text{CDCl}_3$	138.7(C1) 137.9(C2) 129.3(C3) 133.6(C4) 126.4(C5) 132.6(C6) 141.1(C1') 127.5(C2'/6') 129.0(C3'/5') 133.0(C4') 20.1(CH <sub>3</sub> )	95Per
$\text{C}_{13}\text{H}_{12}\text{O}_2\text{S}$		$\text{CDCl}_3$	141.4 <sup>a</sup> (C1) 127.9(C2) 139.5(C3) 134.0(C4) 129.1(C5) 124.8(C6) 141.7 <sup>a</sup> (C1') 127.6(C2'/6') 129.2(C3'/5') 133.1(C4') 21.3(CH <sub>3</sub> )	95Per
$\text{C}_{13}\text{H}_{12}\text{O}_2\text{S}$		$\text{CDCl}_3$	138.5(C1) 127.6(C2/6) 129.8(C3/5) 144.1(C4) 141.8(C1') 127.4(C2'/6') 129.2(C3'/5') 133.0(C4') 21.5(CH <sub>3</sub> )	89Cha

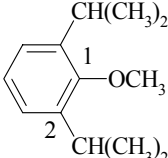
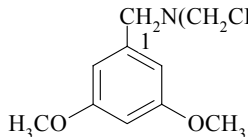
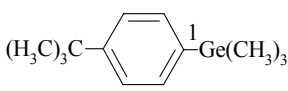

Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / $J$ [Hz]	Ref.
$\text{C}_{13}\text{H}_{12}\text{O}_2\text{S}$		$\text{CDCl}_3$	136.7(C1) 127.1(C2/6) 114.8(C3/5) 161.9(C4) 145.7(C1') 124.5(C2'/6') 129.1(C3'/5') 130.6(C4') 55.4( $\text{OCH}_3$ )	89Cha
$\text{C}_{13}\text{H}_{12}\text{O}_3$		$\text{CDCl}_3$	159.2(C1) 102.4(C2) 132.3(C3) 125.6(C4) 125.7(C5) 128.2(C6) 125.4(C7) 122.2(C8) 132.8(C4a) 125.6(C8a) 167.7(CO) 51.7( $\text{COOCH}_3$ ) 55.6( $\text{OCH}_3$ )	92Per
$\text{C}_{13}\text{H}_{12}\text{O}_3\text{S}$		$\text{CDCl}_3$	138.3(C1) 124.1(C2) 128.4(C3) 142.6(C4) 129.0(C5) 128.2(C6) 126.8(C7) 124.7(C8) 130.4(C4a) 129.2(C8a) 201.9(CO) 30.7( $\text{CH}_3$ ) 44.2( $\text{SO}_2\text{CH}_3$ )	90Per
$\text{C}_{13}\text{H}_{12}\text{O}_3\text{S}$		$\text{CDCl}_3$	128.7(C1) 156.9(C2) 112.5(C3) 135.6(C4) 120.4(C5) 129.6(C6) 141.3(C1') 128.2(C2'/6') 128.4(C3'/5') 132.9(C4') 55.8( $\text{OCH}_3$ )	95Per
$\text{C}_{13}\text{H}_{12}\text{O}_3\text{S}$		$\text{CDCl}_3$	142.7(C1) 112.3(C2) 160.0(C3) 119.4 <sup>a</sup> (C4) 130.4(C5) 119.8 <sup>a</sup> (C6) 141.5(C1') 127.6(C2'/6') 129.3(C3'/5') 133.2(C4') 55.7( $\text{OCH}_3$ )	95Per
$\text{C}_{13}\text{H}_{12}\text{O}_3\text{S}$		$\text{CDCl}_3$	133.0(C1) 129.8(C2/6) 114.5(C3/5) 163.3(C4) 142.3(C1') 127.2(C2'/6') 129.2(C3'/5') 132.8(C4') 55.6( $\text{OCH}_3$ )	89Cha
$\text{C}_{13}\text{H}_{12}\text{S}$		$\text{CDCl}_3$	133.7(C1) 136.2(C2) 130.6(C3) 126.3(C4) 127.9(C5) 133.0(C6) 139.9(C1') 129.6(C2'/6') 129.1(C3'/5') 126.7(C4') 20.6( $\text{CH}_3$ )	95Per
$\text{C}_{13}\text{H}_{12}\text{S}$		$\text{CDCl}_3$	136.1(C1) 131.8(C2) 139.0(C3) 128.3(C4) 129.0(C5) 128.0(C6) 135.2(C1') 130.7(C2'/6') 129.1(C3'/5') 126.8(C4') 21.3( $\text{CH}_3$ )	95Per
$\text{C}_{13}\text{H}_{12}\text{S}$		$\text{CDCl}_3$	131.2(C1) 132.1(C2/6) 130.0(C3/5) 137.4(C4) 137.1(C1') 129.7(C2'/6') 129.0(C3'/5') 126.3(C4') 21.1( $\text{CH}_3$ )	87Cha
$\text{C}_{13}\text{H}_{13}\text{N}$		$\text{CDCl}_3$	142.3(C1) 115.7(C2) 146.4(C3) 112.9(C4) 129.3(C5) 119.3(C6) 141.1(C1') 128.9 <sup>a</sup> (C2'/6') 128.4 <sup>a</sup> (C3'/5') 126.0(C4') 41.9( $\text{CH}_2$ )	91Bud



Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / $J$ [Hz]	Ref.
$\text{C}_{13}\text{H}_{13}\text{N}$		$\text{CDCl}_3$	131.1(C1) 129.7(C2/6) 115.3(C3/5) 144.4(C4) 141.9(C1') 128.7 <sup>a</sup> (C2'/6') 128.3 <sup>a</sup> (C3'/5') 125.8(C4') 41.0( $\text{CH}_2$ )	91Bud
$\text{C}_{13}\text{H}_{13}\text{NO}$		$\text{CDCl}_3$	138.4(C1) 114.0(C2) 146.5(C3) 114.7(C4) 129.5(C5) 117.6(C6) 158.9(C1') 114.9(C2'/6') 129.4(C3'/5') 120.9(C4') 69.9( $\text{CH}_2$ )	91Bud
$\text{C}_{13}\text{H}_{13}\text{NO}$		$\text{CDCl}_3$	126.9(C1) 129.3 <sup>a</sup> (C2/6) 115.1(C3/5) 146.3(C4) 159.0(C1') 114.9(C2'/6') 129.4 <sup>a</sup> (C3'/5') 120.7(C4') 70.1( $\text{CH}_2$ )	91Bud
$\text{C}_{13}\text{H}_{13}\text{NO}$		$\text{CDCl}_3$	134.8(C1) 123.8(C2) 125.1(C3) 128.9(C4) 128.4(C5) 126.3(C6) 126.9(C7) 128.1(C8) 133.4(C4a) 129.5(C8a) 170.7(CO) 38.7( $\text{CH}_3$ ,s-cis) 34.7( $\text{CH}_3$ ,s-trans)	77Han
$\text{C}_{13}\text{H}_{13}\text{NO}_2\text{S}$		$\text{CDCl}_3$	129.0(C1) 117.2(C2) 146.3(C3) 115.5(C4) 129.4(C5) 121.0(C6) 138.1(C1') 128.7 <sup>a</sup> (C2'/6') 128.8 <sup>a</sup> (C3'/5') 133.6(C4') 63.0( $\text{CH}_2$ )	91Bud
$\text{C}_{13}\text{H}_{13}\text{NO}_2\text{S}$		$\text{CDCl}_3$	117.3(C1) 131.8(C2/6) 114.9(C3/5) 147.0(C4) 138.2(C1') 128.7 <sup>a</sup> (C2'/6') 128.8 <sup>a</sup> (C3'/5') 133.5(C4') 62.5( $\text{CH}_2$ )	91Bud
$\text{C}_{13}\text{H}_{13}\text{OP}$		$\text{CDCl}_3$	134.3(C1) 130.4(C2/6) 128.5(C3/5) 131.6(C4) 16.5( $\text{CH}_3$ )  $^1\text{J}(\text{P},\text{C}1)=100.9$ $^2\text{J}(\text{P},\text{C}2)=9.7$ $^3\text{J}(\text{P},\text{C}3)=11.8$ $^4\text{J}(\text{P},\text{C}4)=2.8$	75Alb
$\text{C}_{13}\text{H}_{14}$		$\text{CDCl}_3$	127.9(C1) 134.8 <sup>a</sup> (C2) 135.0 <sup>a</sup> (C3) 123.6(C4) 133.0(C5) 125.5(C6) 124.5(C7) 125.2(C8) 131.3(C4a) 132.4(C8a) 20.2 <sup>a</sup> (2- $\text{CH}_3$ ) 19.7 <sup>a</sup> (3- $\text{CH}_3$ ) 19.1(5- $\text{CH}_3$ )	77Dal
$\text{C}_{13}\text{H}_{14}$		$\text{CDCl}_3$	127.0(C1) 134.2(C2) 135.2(C3) 126.6(C4) 125.7(C5) 134.2(C6) 127.0(C7) 126.6(C8) 132.5(C4a) 130.6(C8a) 19.9(2- $\text{CH}_3$ ) 19.2(3- $\text{CH}_3$ ) 21.3(6- $\text{CH}_3$ )	77Dal

Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / $J$ [Hz]	Ref.
$\text{C}_{13}\text{H}_{14}$		$\text{CDCl}_3$	144.6(C1) 121.7(C2) 125.7(C3) 126.3(C4) 128.9(C5) 125.2(C6) 125.7(C7) 123.3(C8) 133.9(C4a) 131.4(C8a) 28.5(CH) 23.6( $\text{CH}_3$ )	92Ern
$\text{C}_{13}\text{H}_{14}$		$\text{CDCl}_3$	124.1(C1) 146.2(C2) 125.7(C3) 127.9(C4) 127.6(C5) 125.0(C6) 125.8(C7) 127.6(C8) 132.1(C4a) 133.7(C8a) 34.2(CH) 23.9( $\text{CH}_3$ )	00Maz
$\text{C}_{13}\text{H}_{14}$		$\text{CDCl}_3$	116.1(C1/3) 132.4(C2) 145.2(C4/8) 126.8(C5/7) 145.8(C6) 136.2(C3a/8a) 24.8(4/8- $\text{CH}_3$ ) 28.5(6- $\text{CH}_3$ )	77Bra
$\text{C}_{13}\text{H}_{14}$		$\text{CS}_2$ / $\text{CDCl}_3$	126.7(C1/4/5/8) 120.6(C2/3/6/7) 81.7(C4a/8a) 16.9(C9) 17.2( $\text{CH}_3$ )	73Gün2
$\text{C}_{13}\text{H}_{14}\text{O}$		$\text{CDCl}_3$	143.5(C1) 122.6(C2) 124.6(C3) 128.5(C4) 128.9(C5) 125.2 <sup>a</sup> (C6) 125.0 <sup>a</sup> (C7) 127.3(C8) 134.8(C4a) 130.9(C8a) 73.8(C) 31.4( $\text{CH}_3$ )	77Kit
$\text{C}_{13}\text{H}_{14}\text{O}$		$\text{CDCl}_3$	122.4(C1) 146.4(C2) 123.5(C3) 127.8(C4) 127.4(C5) 125.7(C6) 126.0(C7) 128.1(C8) 132.2(C4a) 133.1(C8a) 72.6(C) 31.6( $\text{CH}_3$ )	00Maz
$\text{C}_{13}\text{H}_{14}\text{O}_2$		$\text{CDCl}_3$	124.4(C1) 142.0(C2) 123.6(C3) 128.4(C4) 127.5(C5) 126.1(C6) 126.1(C7) 128.1(C8) 132.7(C4a) 133.2(C8a) 84.1(C) 26.0( $\text{CH}_3$ )	00Maz
$\text{C}_{13}\text{H}_{14}\text{S}$		$\text{CDCl}_3$	133.3(C1) 124.2(C2) 124.6(C3) 138.0(C4) 124.2(C5) 125.8(C6) 125.5(C7) 125.0(C8) 131.9(C4a) 131.9(C8a) 25.6( $\text{CH}_2$ ) 14.9( $\text{CH}_3$ ) 16.4( $\text{SCH}_3$ )	92Per

Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / $J$ [Hz]	Ref.
$\text{C}_{13}\text{H}_{15}\text{N}$		$\text{Ac-d}_6$	147.0(C1) 133.7(C2) 130.7(C3) 125.8(C4) 128.7(C5) 125.4(C6) 126.2(C7) 124.9(C8) 134.6(C4a) 133.5(C8a) 19.2(CH <sub>3</sub> ) 43.4(NCH <sub>3</sub> )	75Em2
$\text{C}_{13}\text{H}_{16}$		$\text{CDCl}_3$	37.7(C1) 159.6(C2) 123.3(C3) 120.1(C4) 126.1(C5) 123.6(C6) 123.5(C7) 145.5(C3a) 143.0(C7a) 33.3(C) 30.4(CH <sub>3</sub> )	78Edl
$\text{C}_{13}\text{H}_{16}$		$\text{CDCl}_3$	124.8(C1/4) 141.5(C2/3) 134.7(C5/6) 32.5(2- $\alpha\text{CH}_2$ ) 25.7(2- $\beta\text{CH}_2$ ) 29.6(5- $\alpha\text{CH}_2$ ) 23.6(5- $\beta\text{CH}_2$ )	78Thu
$\text{C}_{13}\text{H}_{16}\text{Si}$		n.r.	137.8(C1) 133.1(C2) 125.5(C3) 129.7(C4) 129.2(C5) 125.1(C6) 125.2(C7) 128.1(C8) 133.8(C4a) 137.4(C8a) -1.0(CH <sub>3</sub> )	76Bul1
$\text{C}_{13}\text{H}_{16}\text{Si}$		$\text{CDCl}_3$	133.8(C1) 137.8(C2) 129.8(C3) 127.0(C4) 128.1(C5) 126.2(C6) 125.7(C7) 128.1(C8) 133.8(C4a) 133.1(C8a) -1.1(CH <sub>3</sub> )	77Kit
$\text{C}_{13}\text{H}_{17}\text{NO}_4$		$\text{CDCl}_3$	132.5(C1) 107.8(C2) 147.8(C3) 146.8(C4) 109.4(C5) 122.0(C6) 170.7(CO) 100.9(OCH <sub>2</sub> O) 57.3(CH <sub>2</sub> N) 42.0(NCH <sub>3</sub> ) 60.7( $\underline{\text{C}}\text{H}_2\text{CO}$ ) 60.1( $\underline{\text{C}}\text{H}_2\text{CH}_3$ ) 14.3(CH <sub>2</sub> $\underline{\text{C}}\text{H}_3$ )	84Bar
$\text{C}_{13}\text{H}_{18}\text{O}$		Neat	140.4(C1) 133.6(C2/6) 129.1(C3/5) 138.1(C4) 212.0(CO) 42.4(CH) 18.9(CH <sub>3</sub> ) 20.6(2/6-CH <sub>3</sub> , 4-CH <sub>3</sub> )	65Dha1
$\text{C}_{13}\text{H}_{19}\text{NO}_2$		$\text{CDCl}_3$	111.1(C1) 161.8(C2) 110.9(C3) 152.3(C4) 101.7(C5) 130.8(C6) 201.3(CO) 25.7(COCH <sub>3</sub> ) 37.9(NH $\underline{\text{C}}\text{H}_2\text{CH}_3$ ) 14.8(NHCH <sub>2</sub> $\underline{\text{C}}\text{H}_3$ ) 24.6( $\underline{\text{C}}\text{H}_2\text{CH}_2\text{CH}_3$ ) 20.9(CH <sub>2</sub> $\underline{\text{C}}\text{H}_2\text{CH}_3$ ) 14.3(CH <sub>2</sub> CH <sub>2</sub> $\underline{\text{C}}\text{H}_3$ )	97Han

Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / $J$ [Hz]	Ref.
$\text{C}_{13}\text{H}_{20}\text{O}$		$\text{CDCl}_3$	154.7(C1) 141.4(C2/6) 123.9(C3/5) 123.3(C4) 26.8(CH) 23.8( $\text{CH}_3$ ) 61.6( $\text{OCH}_3$ )	74Buc
$\text{C}_{13}\text{H}_{21}\text{NO}_2$		$\text{CDCl}_3$	142.7(C1) 106.3(C2/6) 160.3(C3/5) 98.6(C4) 57.7( $\text{CH}_2\text{N}$ ) 46.7( $\text{CH}_2\text{CH}_3$ ) 11.7( $\text{CH}_2\text{CH}_3$ ) 54.7( $\text{OCH}_3$ )	84Bar
$\text{C}_{13}\text{H}_{22}\text{Ge}$		$\text{CCl}_4$	138.2(C1) 132.6(C2/6) 124.7(C3/5) 150.5(C4) n.r.(C) n.r.( $\text{CCH}_3$ ) -1.8( $\text{GeCH}_3$ )	74Sch1
$\text{C}_{13}\text{H}_{22}\text{Si}$		$\text{CCl}_4$	136.3(C1) 133.2(C2/6) 124.6(C3/5) 151.2(C4) n.r.(C) n.r.( $\text{CCH}_3$ ) -1.0( $\text{SiCH}_3$ )	74Sch1