

Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / J [Hz]	Ref.
$\text{C}_{15}\text{H}_7\text{Cl}_2\text{N}$		CDCl_3	124.4(C1/8) 129.1(C2/7) 126.9(C3/6) 129.5(C4/5) 107.2(C9) 126.9(C10) 133.4(C4a/10a) 134.1(C8a/9a) 116.3(CN) $^1J(\text{C1},\text{H1})=165.4$ $^1J(\text{C2},\text{H2})=165.7$ $^1J(\text{C3},\text{H3})=167.6$ $^1J(\text{C10},\text{H10})=166.4$ $^3J(\text{C1},\text{H3})=6.1$ $^3J(\text{C3},\text{H1})=8.5$	81Sch
$\text{C}_{15}\text{H}_7\text{NO}_2$		CDCl_3	131.4(C1) 117.6(C2) 136.5(C3) 127.9(C4) 127.5(C5) 134.7(C6) 134.7(C7) 127.5(C8) 181.6(C9) 180.9(C10) 135.6(C4a) 133.1 ^a (C8a) 133.8(C9a) 133.0 ^a (C10a) 117.0(CN)	81Ber
$\text{C}_{15}\text{H}_9\text{N}$		CDCl_3	125.1(C1/8) 128.9(C2/7) 126.3(C3/6) 128.9(C4/5) 105.3(C9) 132.6(C10) 130.5(C4a/10a) 133.2(C8a/9a) 117.2(CN) $^1J(\text{C1},\text{H1})=162.8$ $^1J(\text{C2},\text{H2})=162.9$ $^1J(\text{C3},\text{H3})=162.5$ $^1J(\text{C4},\text{H4})=161.5$ $^1J(\text{C10},\text{H10})=160.3$ $^3J(\text{C1},\text{H3})=5.8$ $^3J(\text{C2},\text{H4})=9.0$ $^3J(\text{C3},\text{H1})=8.4$ $^3J(\text{C10},\text{H4})=4.8$	81Sch
$\text{C}_{15}\text{H}_9\text{N}$		CDCl_3	110.6(C1) 131.9(C2) 125.5(C3) 127.3(C4) 122.4(C5) 127.6(C6) 127.4(C7) 128.7 (C8) 129.9(C9) 122.7(C10) 129.4(C4a) 131.8(C4b) 131.9(C8a) 130.3(C10a) 118.1(CN)	78Ber
$\text{C}_{15}\text{H}_{10}\text{Cl}_2$		CDCl_3	123.8(C1/8) 125.1(C2/7) 125.5(C3/6) 128.9(C4/5) 131.0(C9) 119.4(C10) 133.1(C4a/10a) 131.7(C8a/9a) 14.6(CH_3) $^1J(\text{C1},\text{H1})=161.6$ $^1J(\text{C2},\text{H2})=163.8$ $^1J(\text{C3},\text{H3})=166.0$ $^1J(\text{C10},\text{H10})=165.3$ $^3J(\text{C1},\text{H3})=6.6$ $^3J(\text{C3},\text{H1})=9.5$	81Sch
$\text{C}_{15}\text{H}_{10}\text{O}$		CDCl_3	124.0(C1/1') 131.5(C2/2'/6/6') 129.4(C3/3'/5/5') 132.8(C4/4') 148.4(C) 155.7(CO)	74Hea

Gross formula	Structure	Solvent	$\delta^3\text{C}$ [ppm] / J [Hz]	Ref.
$\text{C}_{15}\text{H}_{10}\text{O}$		CDCl_3	123.5(C1/8) 129.1(C2/7) 125.6(C3/6) 129.2(C4/5) 124.6(C9) 135.3(C10) 131.0(C4a/10a) 132.2(C8a/9a) 170.1(CHO) $^1J(\text{C1},\text{H1})=163.1$ $^1J(\text{C2},\text{H2})=160.4$ $^1J(\text{C3},\text{H3})=160.4$ $^1J(\text{C4},\text{H4})=160.4$ $^1J(\text{C10},\text{H10})=160.4$ $^1J(\text{CO},\text{H})=147.6$ $^3J(\text{C1},\text{H3})=7.0$ $^3J(\text{C2},\text{H4})=7.9$ $^3J(\text{C3},\text{H1})=8.7$ $^3J(\text{C10},\text{H4})=4.8$	81Sch
$\text{C}_{15}\text{H}_{10}\text{O}$		CDCl_3	131.2(C1) 134.7(C2) 125.3(C3) 128.6(C4) 121.8(C5) 127.0(C6) 126.9(C7) 128.3(C8) 129.9(C9) 122.5(C10) 130.5(C4a) 129.4(C4b) 131.4(C8a) 130.0(C10a) 193.0(CHO)	78Ber
$\text{C}_{15}\text{H}_{10}\text{O}_2$		CDCl_3	125.5(C1/8) 127.2(C2/7) 125.9(C3/6) 128.9(C4/5) 129.5(C9) 129.2(C10) 131.5(C4a/10a) 128.2(C8a/9a) 169.9(COOH) $^1J(\text{C1},\text{H1})=162.6$ $^1J(\text{C2},\text{H2})=162.3$ $^1J(\text{C3},\text{H3})=162.3$ $^1J(\text{C4},\text{H4})=162.1$ $^1J(\text{C10},\text{H10})=160.7$ $^3J(\text{C1},\text{H3})=5.6$ $^3J(\text{C2},\text{H4})=8.7$ $^3J(\text{C3},\text{H1})=9.1$ $^3J(\text{C10},\text{H4})=5.5$	81Sch
$\text{C}_{15}\text{H}_{10}\text{O}_2$		CDCl_3	141.9(C1) 138.0(C2) 132.9(C3) 125.9(C4) 126.5(C5) 133.3(C6) 133.9(C7) 127.0(C8) 184.8(C9) 183.3(C10) 131.0(C4a) 134.6(C8a) 134.8(C9a) 132.7(C10a) 23.3(CH ₃)	81Ber1
$\text{C}_{15}\text{H}_{10}\text{O}_2$		CDCl_3	126.5 ^a (C1) 144.3(C2) 132.8 ^b (C3) 126.5 ^a (C4) 126.3 ^a (C5) 133.1 ^b (C6) 134.0(C7) 126.3 ^a (C8) 181.8 ^c (C9) 182.2 ^c (C10) 130.6(C4a) 132.8 ^d (C8a) 132.7 ^d (C9a) 132.8 ^d (C10a) 21.0(CH ₃)	81Ber
$\text{C}_{15}\text{H}_{10}\text{O}_2\text{S}$		CDCl_3	121.9(C1) 147.7(C2) 129.9(C3) 127.0(C4) 126.7(C5) 133.3 ^a (C6) 133.4 ^a (C7) 126.7(C8) 182.4(C9) 181.8(C10) 129.4(C4a) 133.7(C8a) 133.5(C9a) 133.7(C10a) 14.6(SCH ₃)	81Ber
$\text{C}_{15}\text{H}_{10}\text{O}_3$		CDCl_3	160.3(C1) 117.9(C2) 134.9(C3) 119.8(C4) 126.5(C5) 133.1(C6) 134.2(C7) 127.2(C8) 182.4(C9) 183.3(C10) 134.9(C4a) 135.7(C8a) 121.6(C9a) 132.5(C10a) 56.5(OCH ₃)	78Ber1

Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / J [Hz]	Ref.
$\text{C}_{15}\text{H}_{10}\text{O}_3$		CDCl_3	110.1(C1) 164.4(C2) 121.1(C3) 129.7(C4) 127.1(C5) 133.5(C6) 134.0(C7) 127.1(C8) 183.1(C9) 181.8(C10) 127.3(C4a) 133.7(C8a) 135.7(C9a) 133.8(C10a) 55.8(OCH_3)	78Ber1
$\text{C}_{15}\text{H}_{10}\text{O}_4$		CDCl_3	151.9(C1) 153.4(C2) 119.8(C3) 117.1(C4) 126.1(C5) 133.4(C6) 134.4(C7) 125.9(C8) 188.0(C9) 179.3(C10) 124.7(C4a) 133.1(C8a) 115.3(C9a) 132.4(C10a) 56.0(OCH_3)	80Ber
$\text{C}_{15}\text{H}_{10}\text{O}_4$		CDCl_3	164.6(C1) 107.6(C2) 165.5(C3) 106.5(C4) 127.2(C5) 134.1(C6) 134.1(C7) 126.1(C8) 185.7(C9) 181.4(C10) 134.9(C4a) 133.4(C8a) 110.8(C9a) 133.4(C10a) 55.9(OCH_3)	80Ber
$\text{C}_{15}\text{H}_{10}\text{O}_4$		$\text{DMSO}-d_6$	162.8(C1) 105.0(C2) 163.6(C3) 106.3(C4) 126.0(C5) 132.9(C6) 134.8(C7) 126.5(C8) 179.4(C9) 183.0(C10) 136.8(C4a) 135.0(C8a) 113.8(C9a) 131.9(C10a) 56.2(OCH_3)	80Ber
$\text{C}_{15}\text{H}_{10}\text{O}_4$		CDCl_3	157.3(C1) 126.2(C2) 123.9(C3) 154.2(C4) 127.2(C5) 134.6(C6) 133.1(C7) 126.2(C8) 188.8(C9) 181.4(C10) 119.3(C4a) 132.2(C8a) 115.9(C9a) 135.0(C10a) 57.0(OCH_3)	80Ber
$\text{C}_{15}\text{H}_{10}\text{O}_4$		CDCl_3	162.0(C1) 122.8(C2) 136.7(C3) 119.4(C4) 160.6(C5) 118.7(C6) 134.8(C7) 119.8(C8) 188.5(C9) 181.4(C10) 135.4(C4a) 135.0(C8a) 115.6(C9a) 121.6(C10a) 56.6(OCH_3)	80Ber
$\text{C}_{15}\text{H}_{10}\text{O}_4$		CDCl_3	162.6(C1) 124.7(C2) 135.8(C3) 118.9(C4) 120.2(C5) 135.8(C6) 118.6(C7) 161.1(C8) 188.6(C9) 182.6(C10) 133.0(C4a) 121.2(C8a) 117.4(C9a) 136.0(C10a) 56.7(OCH_3)	80Ber
$\text{C}_{15}\text{H}_{11}\text{Br}$		CDCl_3	123.5(C1/8) 126.7(C2/7) 125.4(C3/6) 129.2(C4/5) 129.2(C9) 129.2(C10) 127.7(C4a/10a) 131.5(C8a/9a) 26.8(CH_2)	76Bul2

Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / J [Hz]	Ref.
$\text{C}_{15}\text{H}_{11}\text{BrO}$		CDCl_3	140.0(C1) 131.5(C2) 123.0(C3) 135.5(C4) 130.8(C5) 126.9(C6) 134.6(C1') 129.0(C2'/6') 130.1(C3'/5') 128.5(C4') 188.7(CO) 121.3(Ca) 145.5(Cb)	76Sol
$\text{C}_{15}\text{H}_{11}\text{BrO}$		CDCl_3	136.8(C1) 130.5(C2/6) 131.8(C3/5) 127.8(C4) 134.6(C1') 128.9(C2'/6') 128.9(C3'/5') 128.4(C4') 188.8(CO) 121.3(Ca) 145.1(Cb)	76Sol
$\text{C}_{15}\text{H}_{11}\text{BrO}$		CDCl_3	137.9(C1) 128.6(C2/6) 128.6(C3/5) 132.9(C4) 137.0(C1') 133.1(C2') 127.1(C3') 130.8(C4') 130.4(C5') 127.1(C6') 189.6(CO) 123.1(Ca) 142.7(Cb)	76Sol
$\text{C}_{15}\text{H}_{11}\text{BrO}$		CDCl_3	138.0(C1) 128.6(C2/6) 128.6(C3/5) 132.8(C4) 133.8(C1') 129.7(C2'/6') 132.1(C3'/5') 124.8(C4') 189.8(CO) 122.5(Ca) 143.2(Cb)	76Sol
$\text{C}_{15}\text{H}_{11}\text{ClO}$		CDCl_3	139.7(C1) 129.8(C2) 134.8(C3) 132.5(C4) 130.6(C5) 126.4(C6) 134.6(C1') 128.4(C2'/6') 128.8(C3'/5') 128.4(C4') 188.6(CO) 121.2(Ca) 145.4(Cb)	76Sol
$\text{C}_{15}\text{H}_{11}\text{ClO}$		CDCl_3	136.4(C1) 130.5(C2/6) 129.8(C3/5) 139.0(C4) 134.6(C1') 128.8(C2'/6') 128.8(C3'/5') 128.4(C4') 188.6(CO) 121.3(Ca) 145.0(Cb)	76Sol
$\text{C}_{15}\text{H}_{11}\text{ClO}$		CDCl_3	137.9(C1) 128.6(C2/6) 128.6(C3/5) 132.9(C4) 136.8(C1') 127.8(C2') 134.9(C3') 127.8(C4') 130.1(C5') 126.7(C6') 189.6(CO) 123.1(Ca) 142.8(Cb)	76Sol
$\text{C}_{15}\text{H}_{11}\text{ClO}$		CDCl_3	138.0(C1) 128.5(C2/6) 128.5(C3/5) 132.8(C4) 133.4(C1') 129.5(C2'/6') 129.1(C3'/5') 136.3(C4') 189.8(CO) 122.3(Ca) 143.1(Cb)	76Sol

Gross formula	Structure	Solvent	$\delta^3\text{C}$ [ppm] / J [Hz]	Ref.
$\text{C}_{15}\text{H}_{11}\text{FO}$		CDCl_3	138.1(C1) 128.5(C2/6) 128.5(C3/5) 132.6(C4) 131.1(C1') 130.2(C2'/6') 116.0(C3'/5') 164.0(C4') 189.8(CO) 121.6(Ca) 143.2(Cb)	76Sol
$\text{C}_{15}\text{H}_{11}\text{FO}$		CDCl_3	134.7(C1) 131.3(C2/6) 115.6(C3/5) 165.5(C4) 134.7(C1') 128.9(C2'/6') 130.5(C3'/5') 128.4(C4') 188.4(CO) 121.4(Ca) 144.9(Cb)	76Sol
$\text{C}_{15}\text{H}_{11}\text{N}$		CDCl_3	141.8(C1) 126.8(C2/6) 132.5(C3/5) 110.6(C4) 136.3(C1') 126.1(C2'/6') 128.9(C3'/5') 128.6(C4') 126.7(Ca) 132.4(Cb) 119.0(CN)	91Gah
$\text{C}_{15}\text{H}_{11}\text{NO}_3$		CDCl_3	137.7(C1) 128.6(C2/6) 128.6(C3/5) 133.1(C4) 137.7(C1') 124.7(C2') n.r.(C3') 122.2(C4') 130.0(C5') 134.2(C6') n.r.(CO) 124.7(Ca) 141.6(Cb)	76Sol
$\text{C}_{15}\text{H}_{11}\text{NO}_3$		CDCl_3	137.7(C1) 128.9(C2/6) 128.9(C3/5) 133.3(C4) 141.1(C1') 128.9(C2'/6') 124.2(C3'/5') 148.1(C4') 189.2(CO) 125.8(Ca) 141.6(Cb)	76Sol
$\text{C}_{15}\text{H}_{11}\text{NO}_3$		CDCl_3	139.6(C1) 123.2(C2) 148.5(C3) 126.9(C4) 131.2(C5) 134.1(C6) 134.4(C1') 129.0(C2'/6') 129.9(C3'/5') 128.7(C4') 187.8(CO) 120.8(Ca) 146.8(Cb)	76Sol
$\text{C}_{15}\text{H}_{11}\text{NO}_3$		CDCl_3	143.0(C1) 131.2(C2/6) 123.9(C3/5) 154.3(C4) 134.4(C1') 129.0(C2'/6') 129.4(C3'/5') 128.7(C4') 189.0(CO) 121.4(Ca) 146.8(Cb)	76Sol
$\text{C}_{15}\text{H}_{12}$		CDCl_3	118.5(C1/8) 126.7(C2/7) 125.9(C3/6) 119.9(C4/5) 29.3(C9) 139.8(C4a/4b) 148.0(8a/9a) 18.2(CH_2)	78Fri

Gross formula	Structure	Solvent	$\delta^3\text{C}$ [ppm] / J [Hz]	Ref.
$\text{C}_{15}\text{H}_{12}$		CDCl_3	133.9(C1) 125.4(C2) 124.9(C3) 126.5(C4) 127.7(C5) 125.1(C6) 125.0(C7) 128.3(C8) 122.5(C9) 126.6(C10) 131.4(C4a) 131.2(C8a) 131.7(C9a) 131.2(C10a) 19.7(CH_3)	75Cas
$\text{C}_{15}\text{H}_{12}$		CDCl_3	124.3(C1/8) 124.8 ^a (C2/7) 124.4 ^a (C3/6) 128.7(C4/5) 129.7(C9) 124.3(C10) 131.1(C4a/9a) 129.8(C8a/10a) 13.7(CH_3)	75Cas
$\text{C}_{15}\text{H}_{12}$		CDCl_3	126.7(C1) 135.6(C2) 128.8(C3) 128.3(C4) 128.6(C5) 125.4(C6) 125.7(C7) 128.4(C8) 126.9(C9) 126.3(C10) 130.9(C4a) 132.4(C8a) 132.6(C9a) 131.8(C10a) 22.1(CH_3)	89Ber
$\text{C}_{15}\text{H}_{12}$		CDCl_3	134.3(C1) 127.3(C2) 125.7(C3) 120.5(C4) 122.5(C5) 126.0(C6) 125.8(C7) 128.0(C8) 126.2(C9) 122.4(C10) 129.9(C4a) 130.3(C4b) 131.2(C8a) 130.4(C10a) 19.7(CH_3)	78Ber
$\text{C}_{15}\text{H}_{12}$		CDCl_3	127.3(C1) 125.7(C2) 131.0(C3) 135.3(C4) 127.3(C5) 125.3(C6) 125.6(C7) 128.5(C8) 126.9 ^a (C9) 127.8 ^a (C10) 129.9(C4a) 131.5(C4b) 133.3 ^b (C8a) 133.6 ^b (C10a) 27.2(CH_3)	77Sto
$\text{C}_{15}\text{H}_{12}$		CDCl_3	131.6(C1) 124.3(C2) 140.8(C3) 120.4 ^a (C4) 139.1 ^b (C5) 131.6 ^c (C6) 133.0 ^c (C7) 139.4 ^b (C8) 119.9 ^a (C9) 138.6(C10) 132.9(C2a) 157.0(C6a) 130.1(C10a) 153.5(C10b) 13.5(CH_3)	80Bra
$\text{C}_{15}\text{H}_{12}$		CDCl_3	122.9(C1) 120.4(C2) 149.6(C3) 122.5(C4) 138.6(C5) 130.9 ^a (C6) 132.0 ^a (C7) 139.0(C8) 119.8(C9) 141.6(C10) 132.9(C2a) 156.8(C6a) 134.3(C10a) 150.4(C10b) 25.1(CH_3)	80Bra
$\text{C}_{15}\text{H}_{12}$		CDCl_3	122.4 ^a (C1) 122.2 ^a (C2) 140.5(C3) 128.5(C4) 142.7(C5) 131.4(C6) 131.8(C7) 140.0(C8) 119.7(C9) 142.3(C10) 133.9 ^b (C2a) 157.3(C6a) 133.8 ^b (C10a) 151.9(C10b) 23.7(CH_3)	80Bra

Gross formula	Structure	Solvent	$\delta^3\text{C}$ [ppm] / J [Hz]	Ref.
$\text{C}_{15}\text{H}_{12}$		CDCl_3	122.5 ^a (C1) 123.1 ^a (C2) 140.7(C3) 123.3(C4) 150.3(C5) 131.2(C6) 132.6(C7) 139.7(C8) 120.2(C9) 142.0(C10) 133.4 ^b (C2a) 157.5(C6a) 134.6 ^b (C10a) 150.7(C10b) 27.3(CH_3)	80Bra
$\text{C}_{15}\text{H}_{12}$		CDCl_3	123.9 ^a (C1) 122.9 ^a (C2) 138.9 ^b (C3) 120.3(C4) 140.2 ^c (C5) 135.1(C6) 127.9(C7) 139.9 ^c (C8) 119.6(C9) 142.2 ^b (C10) 133.9 ^d (C2a) 158.3(C6a) 135.1 ^d (C10a) 152.0(C10b) 28.3(CH_3)	80Bra
$\text{C}_{15}\text{H}_{12}\text{O}$		CDCl_3	134.7(C1) 128.3(C2/6) 128.3(C3/5) 130.3(C4) 138.0(C1') 128.3(C2'/6') 128.7(C3'/5') 132.6(C4') 189.8(CO) 121.7(Ca) 144.4(Cb)	76Rad
$\text{C}_{15}\text{H}_{12}\text{O}$		CDCl_3	155.5(C1) 105.5(C2) 126.1(C3) 114.7(C4) 122.9(C5) 126.4(C6) 126.3(C7) 128.2(C8) 125.8(C9) 120.2(C10) 131.2(C4a) 129.8(C4b) 132.0(C8a) 122.9(C10a) 55.5(OCH_3)	78Ber
$\text{C}_{15}\text{H}_{12}\text{O}$		CDCl_3	121.9(C1/8) 128.5(C2/7) 138.8(C3/6) 132.7(C4/5) 193.7(C9) 144.5(C4a/4b) 135.9(C8a/9a) 24.2(4/5- CH_3)	77Sto
$\text{C}_{15}\text{H}_{12}\text{O}$		CDCl_3	122.3(C1/8) 125.1(C2/7) 125.4(C3/6) 128.4(C4/5) 152.3(C9) 122.2(C10) 132.5(C4a/10a) 124.5(C8a/9a) 63.1(OCH_3) $^1J(\text{C1}, \text{H1})=163.7$ $^1J(\text{C2}, \text{H2})=162.0$ $^1J(\text{C3}, \text{H3})=161.1$ $^1J(\text{C4}, \text{H4})=161.8$ $^1J(\text{C10}, \text{H10})=160.5$ $^3J(\text{C1}, \text{H3})=5.6$ $^3J(\text{C2}, \text{H4})=8.5$ $^3J(\text{C3}, \text{H1})=8.5$ $^3J(\text{C10}, \text{H4})=5.5$	81Sch
$\text{C}_{15}\text{H}_{12}\text{O}$		$\text{DMSO}-d_6$	103.7(C1) 157.3(C2) 120.6(C3) 129.8(C4) 128.3(C5) 124.4(C6) 125.5(C7) 127.6(C8) 124.2(C9) 126.2(C10) 128.4(C4a) 132.3(C8a) 132.8(C9a) 130.4(C10a) 55.2(OCH_3)	89Ber

Gross formula	Structure	Solvent	$\delta^3\text{C}$ [ppm] / J [Hz]	Ref.
$\text{C}_{15}\text{H}_{12}\text{O}$		CDCl_3	124.7(C1) 135.4(C2) 126.9(C3) 119.4(C4) 120.7(C5) 127.5(C6) 127.8(C7) 125.1(C8) 36.7(C9) 146.1(C4a) 140.3(C4b) 144.3(C8a) 143.1(C9a) n.r.(CO) n.r.(CH ₃)	80Kit
$\text{C}_{15}\text{H}_{12}\text{O}_3$		DMSO-d_6	113.5(C1) 165.7(C2) 103.2(C3) 166.3(C4) 108.8(C5) 133.3(C6) 134.9(C1') 129.2(C2'/6') 129.2(C3'/5') 131.0(C4') 191.9(CO) 121.5(Ca) 144.0(Cb) $^1J(\text{C3}, \text{H3})=160.1$ $^1J(\text{C5}, \text{H5})=163.1$ $^1J(\text{C6}, \text{H6})=159.5$ $^1J(\text{C2}', \text{H2}')=160.6$ $^1J(\text{C3}', \text{H3}')=160.6$ $^1J(\text{C4}, \text{H4}')=162.2$ $^1J(\text{Ca}, \text{Ha})=162.0$ $^1J(\text{Cb}, \text{Hb})=157.9$	82Pat
$\text{C}_{15}\text{H}_{12}\text{O}_3$		CDCl_3	138.0(C1) 130.9(C2) 130.4(C3) 132.8(C4) 128.6(C5) 134.0(C6) 137.1(C1') 130.0(C2'/6') 128.5(C3'/5') 133.2(C4') 195.6(CO) 166.2(COOCH ₃) 52.3(COOCH ₃)	89Bud
$\text{C}_{15}\text{H}_{12}\text{O}_3$		CDCl_3	141.4(C1) 129.5(C2/6) 129.7(C3/5) 133.2(C4) 137.0(C1') 130.1(C2'/6') 128.4(C3'/5') 132.9(C4') 195.9(CO) 166.3(COOCH ₃) 52.4(COOCH ₃)	89Bud
$\text{C}_{15}\text{H}_{13}\text{NO}$		CDCl_3	139.0(C1) 128.4(C2/6) 128.4(C3/5) 132.1(C4) 125.3(C1') 130.5(C2'/6') 114.9(C3'/5') 149.0(C4') 190.6(CO) 118.0(Ca) 145.4(Cb)	76Sol
$\text{C}_{15}\text{H}_{14}$		CDCl_3	122.5(C1/8) 127.2 ^a (C2/7) 127.0 ^a (C3/6) 120.0(C4/5) 46.8(C9) 139.2(C4a/4b) 153.6(C8a/9a) 27.1(CH ₃)	78Fri
$\text{C}_{15}\text{H}_{14}$		CDCl_3	145.8(C1/1') 128.4(C2/2'/6/6') 128.3(C3/3'/5/5') 126.0(C4/4') 29.9(C) 16.4(CH ₂)	78Fri
$\text{C}_{15}\text{H}_{14}$		CDCl_3	122.3(C1/8) 126.4(C2/7) 130.5(C3/6) 132.2(C4/5) 37.7(C9) 144.6(C4a/4b) 141.6(C8a/9a) 25.5(4/5-CH ₃)	77Sto

Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / J [Hz]	Ref.
$\text{C}_{15}\text{H}_{14}$		CDCl_3	134.5(C1) 126.4(C2/6) 129.4(C3/5) 137.5(C4) 137.5(C1') 126.4(C2'/6') 128.6(C3'/5') 127.4(C4') 128.6(Ca) 127.7(Cb) 21.2(CH_3)	91Gah
$\text{C}_{15}\text{H}_{14}\text{N}_2\text{O}_2$		CDCl_3	135.7(C1) 129.1(C2/6) 128.9(C3/5) 131.9(C4) 156.1(C1') 121.0(C2'/6') 131.3(C3'/5') 153.3(C4') 161.8(CH) n.r.(CH_3)	86Axe
$\text{C}_{15}\text{H}_{14}\text{N}_2\text{O}_4$		CDCl_3	118.7(C1) 135.6(C2) 131.8(C3) 145.3(C4) 115.4(C5) 129.0(C6) 136.7(C1') 125.0(C2'/6') 130.4(C3'/5') 134.7(C4') 165.1(CO) 51.9(OCH_3) 20.9(CH_3)	93Var
$\text{C}_{15}\text{H}_{14}\text{N}_2\text{O}_5$		CDCl_3	118.5(C1) 135.7(C2) 131.7(C3) 146.9(C4) 115.4(C5) 129.2(C6) 130.0(C1') 115.1(C2'/6') 127.2(C3'/5') 158.5(C4') 165.3(CO) 52.0(OCH_3) 55.5(OCH_3)	93Var
$\text{C}_{15}\text{H}_{14}\text{O}$		CDCl_3	130.1(C1) 127.7(C2/6) 114.1(C3/5) 159.3(C4) 137.6(C1') 126.2(C2'/6') 128.6(C3'/5') 127.2(C4') 128.2(Ca) 126.6(Cb) 55.3(OCH_3)	91Gah
$\text{C}_{15}\text{H}_{14}\text{O}$		Ac-d_6	130.0(C1) 128.7(C2/4) 116.4(C3/5) 158.1(C4) 138.8(C1') 127.6(C2') 138.8(C3') 128.6(C4') 129.3(C5') 124.2(C6') 129.1(Ca) 126.6(Cb) 21.4(CH_3)	91Fis
$\text{C}_{15}\text{H}_{14}\text{O}$		Ac-d_6	130.1(C1) 128.6(C2/6) 116.4(C3/5) 158.0(C4) 136.0(C1') 126.9(C2'/6') 130.1(C3'/5') 137.4(C4') 128.3(Ca) 126.4(Cb) 21.2(CH_3)	91Fis

Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / J [Hz]	Ref.
$\text{C}_{15}\text{H}_{14}\text{O}$		SO_2	146.3(C1/1') 127.4(C2/2'/6/6') 128.8(C3/3'/5/5') 127.9(C4/4') 79.9(COH) 143.2(CH) 114.4(CH ₂)	75Ola
$\text{C}_{15}\text{H}_{14}\text{O}$		Ac-d_6	146.9(C1) 129.2(C2/6) 128.7(C3/5) 135.6(C4) 140.5(C1') 129.2(C2'/6') 128.7(C3'/5') 126.5(C4') 41.9(CH ₂) n.r.(CO) 26.3(CH ₃)	80Nak
$\text{C}_{15}\text{H}_{14}\text{O}_2$		CDCl_3	140.5(C1) 130.0(C2) 130.4(C3) 127.4(C4) 128.5(C5) 133.5(C6) 141.5(C1') 128.8(C2'/6') 128.6(C3'/5') 126.3(C4') 41.7(CH ₂) 167.1(CO) 52.0(OCH ₃)	89Bud
$\text{C}_{15}\text{H}_{14}\text{O}_2$		CDCl_3	146.5(C1) 128.9(C2/6) 129.8(C3/5) 128.1(C4) 140.1(C1') 128.9(C2'/6') 128.6(C3'/5') 126.3(C4') 41.9(CH ₂) 166.9(CO) 51.9(OCH ₃)	89Bud
$\text{C}_{15}\text{H}_{14}\text{O}_2$		Ac-d_6	129.8(C1) 128.7(C2/4) 116.4(C3/5) 158.2(C4) 140.2(C1') 112.1(C2') 160.9(C3') 113.5(C4') 130.3(C5') 119.5(C6') 129.5(Ca) 126.4(Cb) 55.4(OCH ₃)	91Fis
$\text{C}_{15}\text{H}_{14}\text{O}_2$		Ac-d_6	130.3(C1) 128.4(C2/6) 116.3(C3/5) 157.8(C4) 131.4(C1') 128.1(C2'/6') 114.9(C3'/5') 159.9(C4') 127.1(Ca) 126.1(Cb) 55.0(OCH ₃)	91Fis

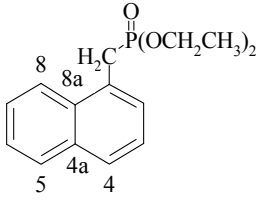
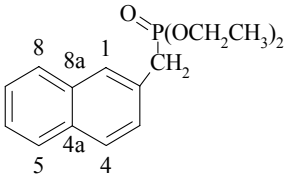
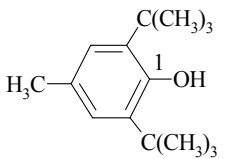
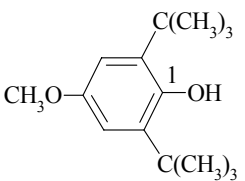
Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / J [Hz]	Ref.
$\text{C}_{15}\text{H}_{14}\text{O}_2\text{S}$		CDCl_3	129.6(C1) 129.7(C2/6) 113.9(C3/5) 164.0(C4) 124.2(C1') 135.1(C2'/6') 130.0(C3'/5') 139.6(C4') 188.9(CO) n.r.(CH ₃) n.r.(OCH ₃)	82Lla
$\text{C}_{15}\text{H}_{14}\text{O}_2\text{Se}$		CDCl_3	131.4(C1) 129.6(C2/6) 114.1(C3/5) 164.1(C4) 122.4(C1') 136.4(C2'/6') 130.1(C3'/5') 139.0(C4') 191.6(CO) n.r.(OCH ₃) n.r.(CH ₃)	82Lla
$\text{C}_{15}\text{H}_{14}\text{O}_2\text{Te}$		CDCl_3	135.7(C1) 129.4(C2/6) 114.2(C3/5) 164.3(C4) 109.8(C1') 140.5(C2'/6') 130.5(C3'/5') 138.9(C4') 193.5(CO) n.r.(OCH ₃) n.r.(CH ₃)	82Lla
$\text{C}_{15}\text{H}_{14}\text{O}_3$		CDCl_3	137.6(C1) 128.5(C2) 130.5(C3) 129.1(C4) 128.7(C5) 131.8(C6) 158.6(C1') 114.9(C2'/6') 129.5(C3'/5') 121.2(C4') 69.4(OCH ₂) 166.8(CO) 52.1(OCH ₃)	89Bud
$\text{C}_{15}\text{H}_{14}\text{O}_3$		CDCl_3	142.4(C1) 127.0(C2/6) 129.9(C3/5) 129.7(C4) 158.5(C1') 114.9(C2'/6') 129.6(C3'/5') 121.2(C4') 166.8(CO) 69.3(OCH ₂) 52.1(OCH ₃)	89Bud
$\text{C}_{15}\text{H}_{14}\text{O}_3$		CDCl_3	122.1(C1) 132.3(C2/4) 113.8(C3/5) 163.9(C4) 148.9(C1') 121.5(C2'/6') 129.9(C3'/5') 135.3(C4') 165.1(CO) n.r.(OCH ₃) n.r.(CH ₃)	82Lla

Gross formula	Structure	Solvent	$\delta^3\text{C}$ [ppm] / J [Hz]	Ref.
$\text{C}_{15}\text{H}_{14}\text{O}_3$		CDCl_3	130.9(C1/1') 132.3(C2/2'/6/6') 113.5(C3/3'/5/5') 163.0(C4/4') 195.5(CO) n.r.(OCH ₃)	77Sha
$\text{C}_{15}\text{H}_{14}\text{O}_4\text{S}$		CDCl_3	128.7(C1) 131.9(C2) 130.6(C3) 129.9(C4) 128.7(C5) 135.1(C6) 137.8(C1') 128.6(C2'/6') 129.0(C3'/5') 133.9(C4') 62.5(CH ₂) 162.3(CO) 52.2(OCH ₃)	89Bud
$\text{C}_{15}\text{H}_{14}\text{O}_4\text{S}$		CDCl_3	133.9(C1) 130.8(C2/6) 129.8(C3/5) 130.6(C4) 137.8(C1') 128.6(C2'/6') 129.0(C3'/5') 133.9(C4') 166.5(CO) 62.7(CH ₂) 52.2(OCH ₃)	89Bud
$\text{C}_{15}\text{H}_{15}\text{FN}_2\text{O}$		CDCl_3	163.1(C1) 107.4(C2) 140.2(C3) 115.1(C4) 129.9(C5) 110.5(C6) 121.0(C1') 128.6(C2'/6') 111.2(C3'/5') 152.8(C4') 165.2(CO) 40.0(CH ₃)	94Wai
$\text{C}_{15}\text{H}_{15}\text{FN}_2\text{O}$		CDCl_3	159.2(C1) 115.6(C2/6) 121.9(C3/5) 134.5(C4) 121.2(C1') 128.6(C2'/6') 111.2(C3'/5') 152.8(C4') 165.6(CO) 40.1(CH ₃)	94Wai
$\text{C}_{15}\text{H}_{15}\text{FN}_2\text{O}$		CDCl_3	137.6(C1) 114.2(C2) 162.9(C3) 118.4(C4) 130.3(C5) 122.4(C6) 127.3(C1') 122.3(C2'/6') 113.0(C3'/5') 148.4(C4') 164.2(CO) 40.8(CH ₃)	97Wai

Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / J [Hz]	Ref.
$\text{C}_{15}\text{H}_{15}\text{FN}_2\text{O}$		CDCl_3	131.5(C1) 129.3(C2/6) 115.7(C3/5) 164.8(C4) 127.5(C1') 122.2(C2'/6') 113.0(C3'/5') 148.4(C4') 164.4(CO) 40.8(CH_3)	97Wai
$\text{C}_{15}\text{H}_{15}\text{FN}_2\text{S}$		CDCl_3	145.2(C1) 114.5(C2) 162.5(C3) 117.7(C4) 130.1(C5) 121.8(C6) 128.2(C1') 125.0(C2'/6') 112.1(C3'/5') 149.4(C4') 195.4(CS) 40.4(CH_3)	97Wai
$\text{C}_{15}\text{H}_{15}\text{FN}_2\text{S}$		CDCl_3	139.4(C1) 128.9(C2/6) 115.5(C3/5) 164.5(C4) 128.3(C1') 125.2(C2'/6') 112.2(C3'/5') 149.5(C4') 196.0(CS) 40.5(CH_3)	97Wai
$\text{C}_{15}\text{H}_{15}\text{FN}_2\text{S}$		CDCl_3	162.7(C1) 111.1(C2) 141.1(C3) 119.2(C4) 130.0(C5) 113.0(C6) 129.2(C1') 128.8(C2'/6') 110.9(C3'/5') 152.9(C4') 197.4(CS) 40.1(CH_3)	94Wai
$\text{C}_{15}\text{H}_{15}\text{FN}_2\text{S}$		CDCl_3	160.7(C1) 115.8(C2/6) 126.3(C3/5) 135.5(C4) n.r.(C1') 128.8(C2'/6') 110.9(C3'/5') 152.8(C4') 197.8(CS) 40.1(CH_3)	94Wai
$\text{C}_{15}\text{H}_{15}\text{N}$		CDCl_3	136.8(C1) 127.1(C2/6) 128.9(C3/5) 140.5(C4) 151.9(C1') 119.4(C2'/6') 128.9(C3'/5') 123.0(C4') 165.0(C) 17.1(C- CH_3) 21.3(4- CH_3)	80Buc

Gross formula	Structure	Solvent	$\delta^3\text{C}$ [ppm] / J [Hz]	Ref.
$\text{C}_{15}\text{H}_{15}\text{N}$		CDCl_3	141.7(C1) 135.1(C2) 128.0(C3) 131.0(C4) 131.4(C5) 128.7(C6) 151.3(C1') 119.2(C2'/6') 129.0(C3'/5') 123.3(C4') 169.9(C) 21.2(C-CH ₃) 19.7(2-CH ₃)	80Buc
$\text{C}_{15}\text{H}_{15}\text{N}$		CDCl_3	139.2(C1) 133.0(C2) 127.0(C3) 130.1(C4) 125.3(C5) 128.2(C6) 150.5(C1') 120.7(C2'/6') 128.6(C3'/5') 123.3(C4') 171.0(C) 29.4(C-CH ₃) 20.3(2-CH ₃)	80Buc
$\text{C}_{15}\text{H}_{15}\text{NO}$		CDCl_3	132.3(C1) 128.9(C2/6) 113.7(C3/5) 161.7(C4) 152.1(C1') 119.7(C2'/6') 128.9(C3'/5') 123.0(C4') 164.3(C) 16.7(C-CH ₃) 55.1(4-OCH ₃)	80Buc
$\text{C}_{15}\text{H}_{16}\text{N}_2$		CDCl_3	124.6(C1) 130.4(C2/6) 111.6(C3/5) 152.5(C4) 153.0(C1') 120.9(C2'/6') 128.9(C3'/5') 124.9(C4') 160.2(C=N) n.r.(CH ₃)	86Axe
$\text{C}_{15}\text{H}_{16}\text{O}$		$\text{CS}_2/\text{Ac-d}_6$	139.2(C1) 122.4(C2) 124.5(C3) 129.0(C4) 128.6(C5) 126.4(C6) 126.7(C7) 125.8(C8) 133.8(C4a) 130.2(C8a) 211.8(CO) 45.1(C) 27.2(CH ₃)	77Han
$\text{C}_{15}\text{H}_{16}\text{OS}$		CDCl_3	128.6(C1) 127.9(C2/6) 114.6(C3/5) 157.5(C4) 131.9(C1') 143.5(C2'/6') 128.3(C3'/5') 128.9(C4') 55.2(4-OCH ₃) 21.9(2'/6'-CH ₃)	95Per
$\text{C}_{15}\text{H}_{16}\text{O}_2$		$\text{CS}_2/\text{Ac-d}_6$	129.1(C1) 129.8(C2) 124.6(C3) 132.7(C4) 128.6(C5) 126.1(C6) 127.4(C7) 126.2(C8) 134.0(C4a) 131.5(C8a) 165.9(CO) 80.6(C) 28.1(CH ₃)	77Han

Gross formula	Structure	Solvent	$\delta^3\text{C}$ [ppm] / J [Hz]	Ref.
C ₁₅ H ₁₆ O ₃		CDCl ₃	109.9(C1) 153.7(C2) 142.1(C3) 135.5(C4) 123.6(C5) 134.2(C6) 127.8(C7) 118.9(C8) 127.0(C4a) 125.7(C8a) 193.3(CHO) 27.5(<u>CH</u> CH ₃) 21.8(CH <u>CH</u> ₃) 20.2(6-CH ₃) ¹ <i>J</i> (C5,H5)=156 ¹ <i>J</i> (C7,H7)=158 ¹ <i>J</i> (C8,H8)=156 ¹ <i>J</i> (CHO)=177 ¹ <i>J</i> (<u>CH</u> CH ₃)=127 ¹ <i>J</i> (CH <u>CH</u> ₃)=127 ¹ <i>J</i> (6-CH ₃)=127	94Ala
C ₁₅ H ₁₆ O ₄		CDCl ₃	116.7(C1) 133.9(C2) 113.1(C3) 151.7(C4) 111.6(C5) 155.6(C6) 142.7(C7) 134.3(C8) 114.3(C4a) 129.4(C8a) 199.4(CHO) 27.8(<u>CH</u> CH ₃) 20.1(CH <u>CH</u> ₃) 21.4(2-CH ₃)	78O'Br
C ₁₅ H ₁₆ O ₅		CDCl ₃	106.9(C1) 152.8(C2) 143.5(C3) 155.2(C4) 184.7(C5) 158.7(C6) 105.0(C7) 123.3(C8) 128.9(C9) 125.5(C4a) 132.7(C9a) 56.0(2-OCH ₃) 60.9(3-OCH ₃) 62.5(4-OCH ₃) 56.0(6-OCH ₃)	93Han
C ₁₅ H ₁₆ S		CDCl ₃	134.3(C1) 125.9(C2/6) 129.6(C3/5) 134.4(C4) 131.0(C1') 143.8(C2'/6') 128.4(C3'/5') 129.0(C4') 20.8(4-CH ₃) 21.8(2'/6'-CH ₃)	95Per
C ₁₅ H ₁₇ N		CDCl ₃	139.2(C1/1') 128.7 ^a (C2/6) 128.0 ^a (C3/5) 126.7(C4) 61.8(CH ₂) 42.1(CH ₃)	72Jon
C ₁₅ H ₁₈		CCl ₄	125.2(C1) 136.3(C2) 113.0(C3) 144.2(C4) 125.2(C5) 134.9(C6) 139.9(C7) 133.2(C8) 136.5(C3a) 137.5(C8a) 12.9(1-CH ₃) 23.9(4-CH ₃) 38.3(CH) 24.8(CH ₃)	75Lli
C ₁₅ H ₁₈		CDCl ₃	135.9(C1) 128.9(C2) 125.2(C3) 126.6(C4) 128.5(C5) 125.2(C6) 125.2(C7) 125.2(C8) 133.9(C4a) 133.3(C8a) 44.9(CH ₂) 32.9(C) 30.2(CH ₃)	76Bul
C ₁₅ H ₁₈		CDCl ₃	128.6(C1) 137.5(C2) 129.5(C3) 126.9(C4) 127.5(C5) 125.1(C6) 125.7(C7) 127.5(C8) 132.1(C4a) 133.4(C8a) 50.4(CH ₂) 32.1(C) 29.5(CH ₃)	76Bul

Gross formula	Structure	Solvent	$\delta^{13}\text{C}$ [ppm] / J [Hz]	Ref.
$\text{C}_{15}\text{H}_{19}\text{O}_3\text{P}$		Ac-d_6	129.3(C1) 128.8(C2) 125.6(C3) 127.7(C4) 128.7(C5) 125.9 ^a (C6) 126.1 ^a (C7) 125.2(C8) 134.2(C4a) 132.5(C8a) 30.9(PCH ₂) 61.8(<u>CH</u> ₂ CH ₃) 16.4(CH ₂ <u>CH</u> ₃)	77Ern1
$\text{C}_{15}\text{H}_{19}\text{O}_3\text{P}$		Ac-d_6	128.9(C1) 130.5(C2) 128.6(C3) 128.2(C4) 128.0 ^a (C5) 126.0(C6) 126.5(C7) 127.9 ^a (C8) 132.7(C4a) 133.9(C8a) 33.9(PCH ₂) 62.0(<u>CH</u> ₂ CH ₃) 16.5(CH ₂ <u>CH</u> ₃)	77Ern1
$\text{C}_{15}\text{H}_{24}\text{O}$		CDCl_3	151.6(C1) 135.8(C2/6) 125.4(C3/5) 128.2(C4) 34.2(C) 30.3(C <u>CH</u> ₃) 21.2(4-CH ₃)	75Kal
$\text{C}_{15}\text{H}_{24}\text{O}_2$		CDCl_3	152.6(C1) 137.3(C2/6) 110.6(C3/5) 147.8(C4) 34.6(C) 30.3(CH ₃) 55.5(OCH ₃)	75Kal