Electronic Supplementary Information

Green synthesis of ethyl cinnamates under microwave irradiations: photophysical properties, cytotoxicity, and cell bioimaging

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Fig SI19. Coordinates of the compounds **3a-f** represented in the CIE map 1931.

Fig SI20. Pictures of compounds a) **3a** and b) **3b** in different solvents were taken under a 365 nm UV lamp.

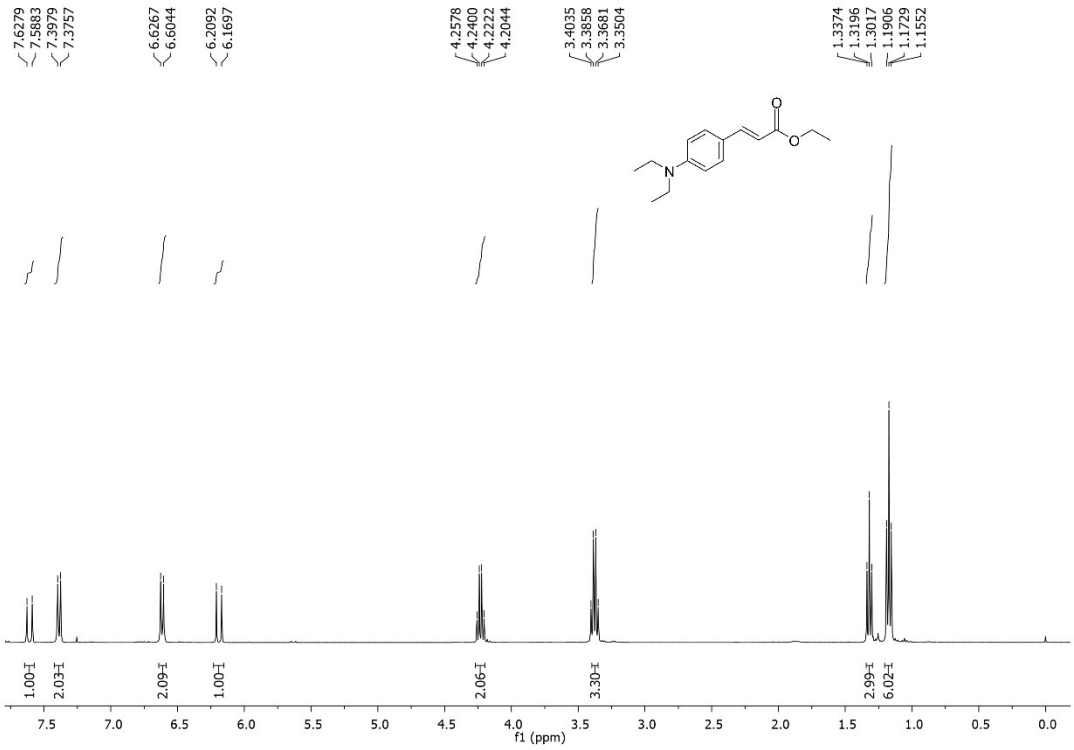

Fig SI1. ^{1}H NMR spectrum ($CDCl_3$) of **3a** derivative.

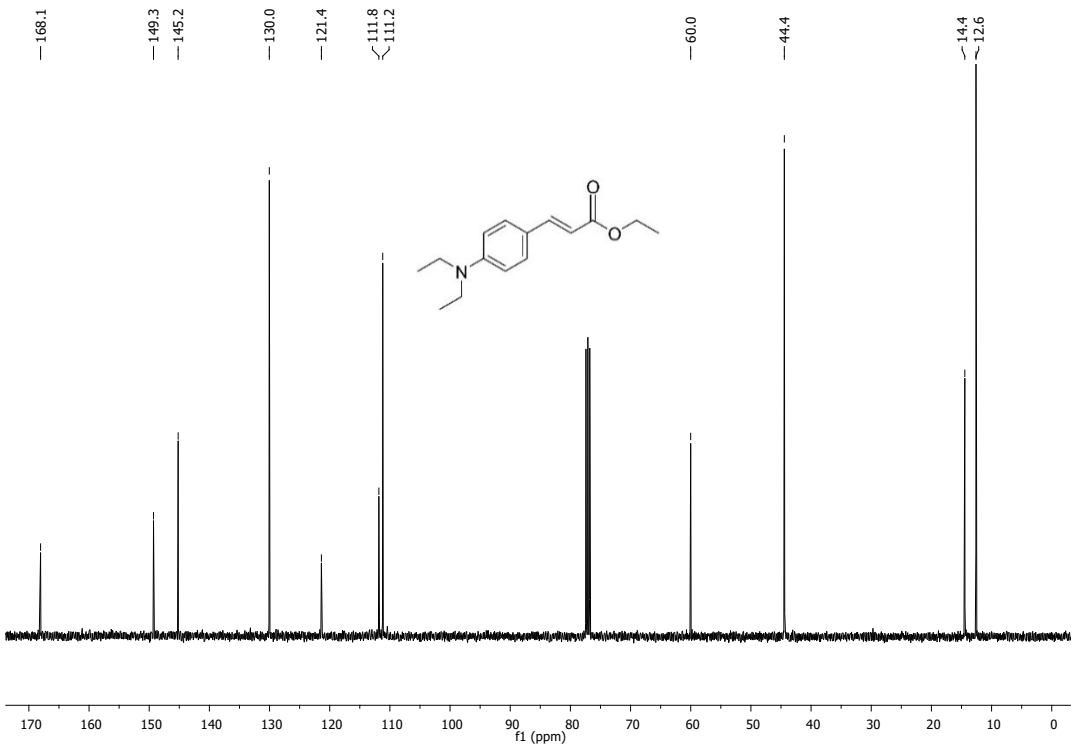

Fig SI2. ^{13}C NMR spectrum ($CDCl_3$) of **3a** derivative.

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Sample Name:Dr Martinez Roberto/ Operador:Carmen Garcia-Javier Perez
Description:
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Operator:AccuTOF
Mass Calibration data:Cal Peg 600
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Created by:AccuTOF

Charge number:1
Tolerance:20.00(mmu)
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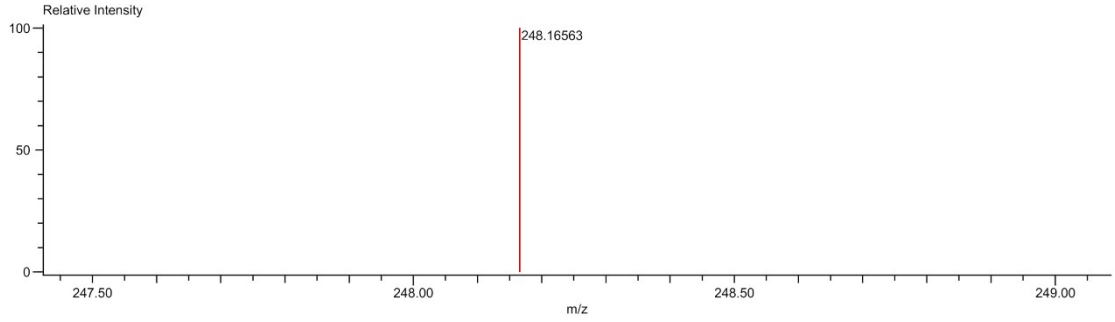
Element:^{12}C:0 .. 24, ^{1}H:1 .. 30, ^{14}N:1 .. 1, ^{16}O:0 .. 2



Mass	Intensity	Calc. Mass	Mass Difference (mmu)	Mass Difference (ppm)	Possible Formula	Unsaturation Number
248.16563	711487.30	248.16505	0.57	2.31	$^{12}C_{15}{}^{1}H_{22}{}^{14}N_{1}{}^{16}O_{2}$	5.5

Fig SI3. HRMS spectrum of **3a** derivative.

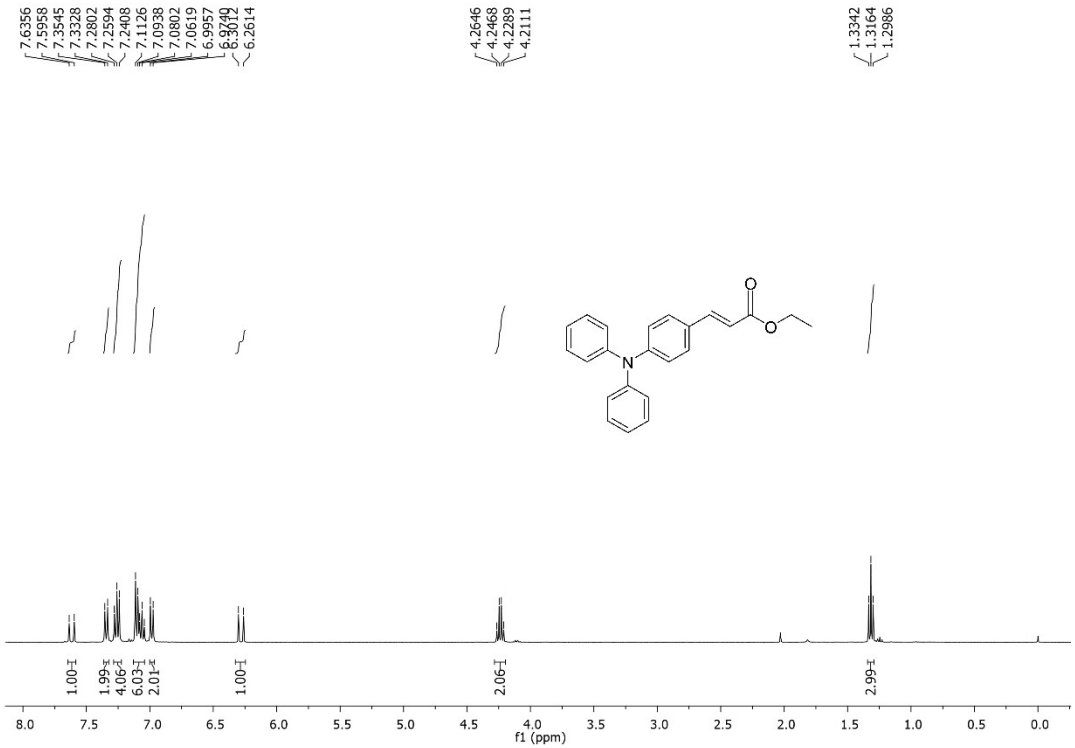


Fig SI4. ^{1}H NMR spectrum ($CDCl_3$) of **3b** derivative.

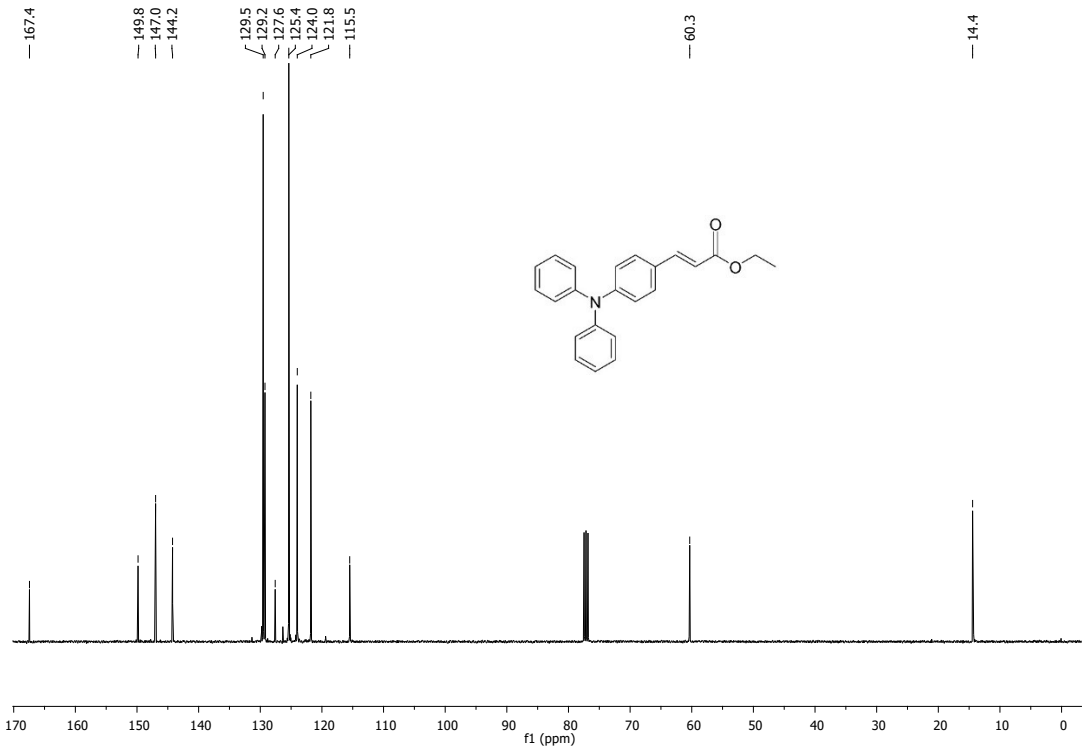


Fig SI5. ^{13}C NMR spectrum ($CDCl_3$) of **3b** derivative.

Data:321 MEHF-47-
Sample Name:Dr Martinez Roberto/Operador:Carmen Garcia-Javier Perez
Description:
Ionization Mode:ESI+
History:Determine m/z[Peak Detect[Centroid,50,Area];Correct Base[50.0%]];Correct Base[5.0%];Average(MS[1] 1..1)

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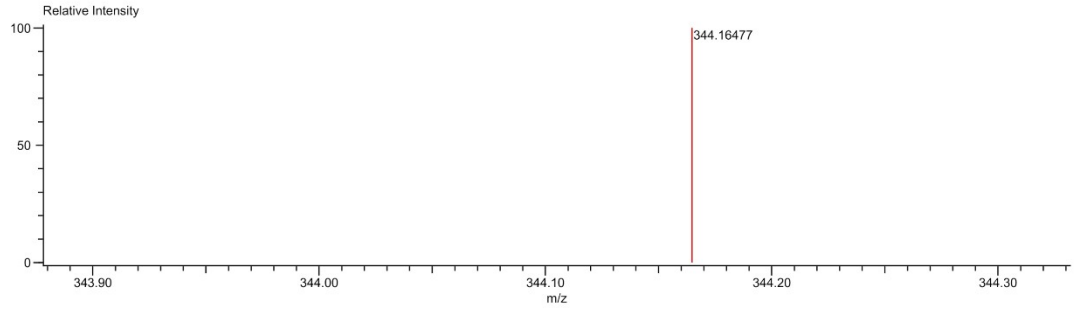
Operator:AccuTOF
Mass Calibration data:Cal Peg 600
Created:2/9/2017 11:02:14 AM
Created by:AccuTOF

Charge number:1
Tolerance:3.00(mmu)
Unsaturation Number:1.0 .. 30.0 (Fraction:Both)
Element:^{12}C:1 .. 30, ^{1}H:1 .. 50, ^{14}N:1 .. 2, ^{16}O:2 .. 4



Mass	Intensity	Calc. Mass	Mass Difference (mmu)	Mass Difference (ppm)	Possible Formula	Unsaturation Number
344.16477	451692.30	344.16505	-0.28	-0.83	$^{12}C_{23}{}^{1}H_{22}{}^{14}N_{1}{}^{16}O_{2}$	13.5

Fig SI6. HRMS spectrum of **3b** derivative.

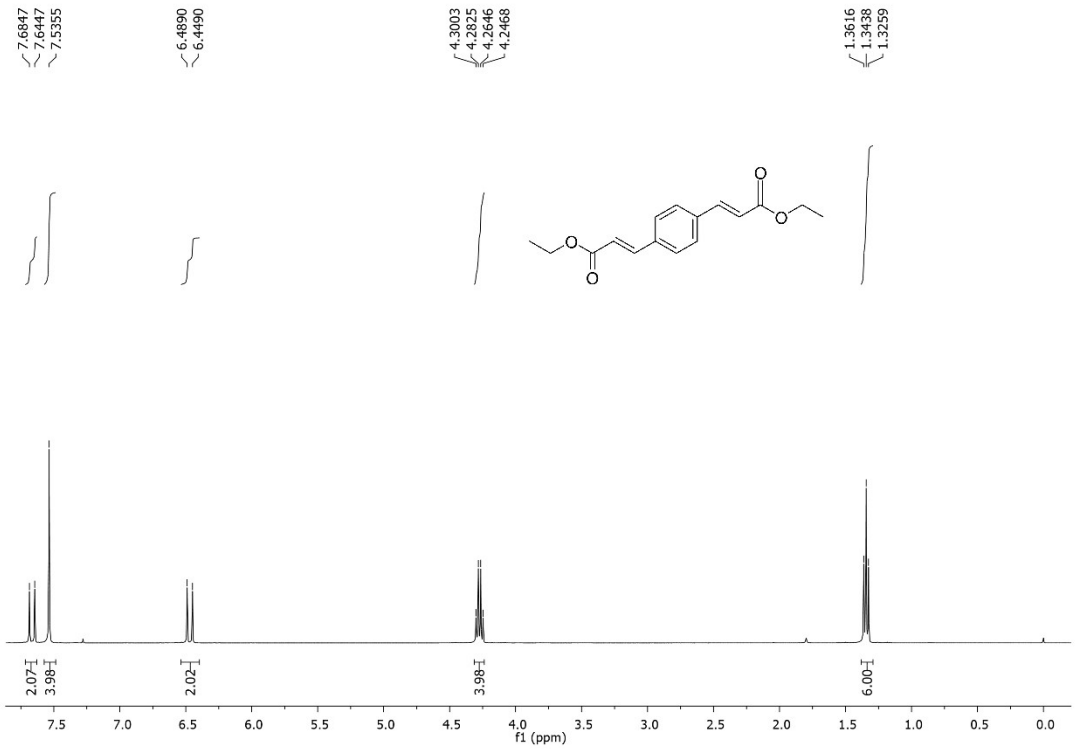


Fig SI7. ^{1}H NMR spectrum ($CDCl_3$) of **3c** derivative.

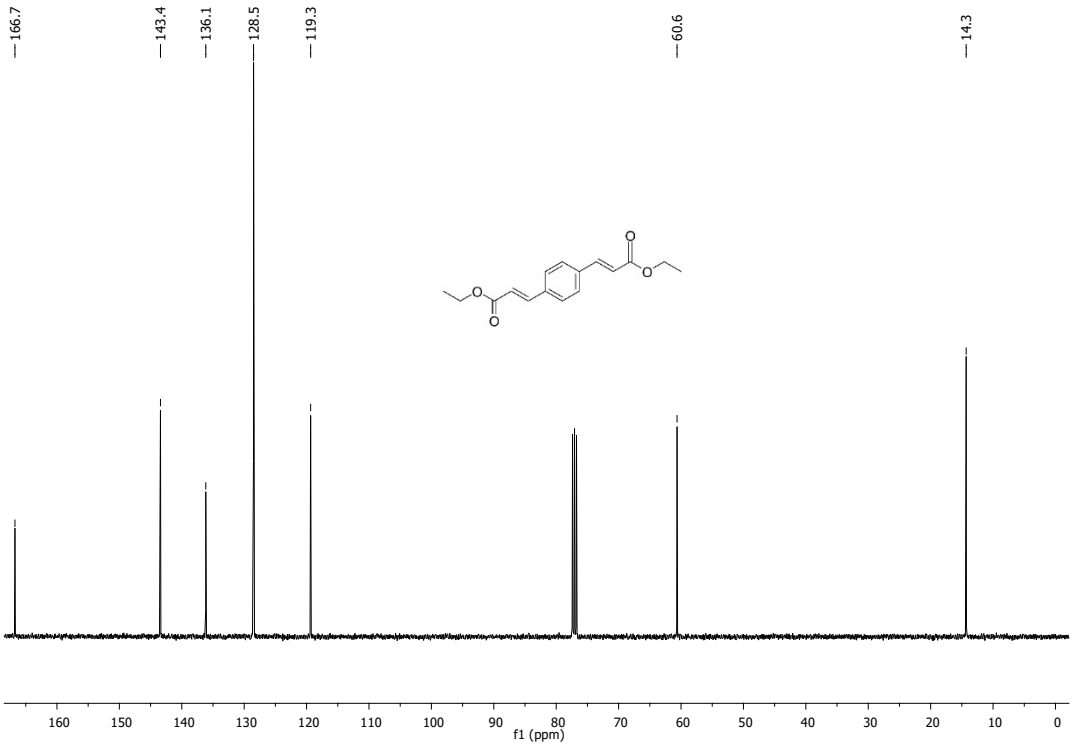


Fig SI8. ^{13}C NMR spectrum ($CDCl_3$) of **3c** derivative.

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Sample Name:Dr Martinez Roberto/ Operador:Carmen Garcia-Javier Perez
Description:
Ionization Mode:ESI+
History:Determine m/z[Peak Detect[Centroid,50,Area];Correct Base[50.0%]];Correct Base[5.0%];Average(MS[1] 1..1)

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Mass Calibration data:Cal Peg 600
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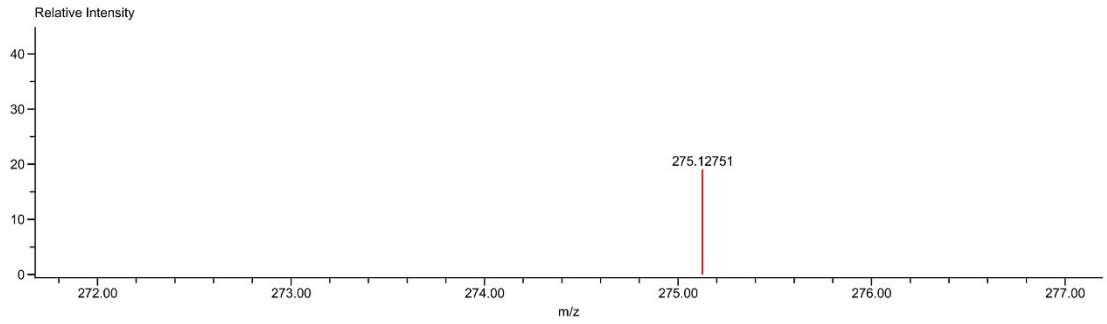
Created by:AccuTOF

Charge number:1
Element:^{12}C:0 .. 24, ^{1}H:1 .. 30, ^{16}O:0 .. 4

Tolerance:5.00(mmu)

Unsaturation Number:1.0 .. 30.0 (Fraction:Both)



Mass	Intensity	Calc. Mass	Mass Difference (mmu)	Mass Difference (ppm)	Possible Formula	Unsaturation Number
275.12751	23245.29	275.12833	-0.82	-3.00	$^{12}C_{16}{}^{1}H_{19}{}^{16}O_4$	7.5

Fig SI9. HRMS spectrum of **3c** derivative.

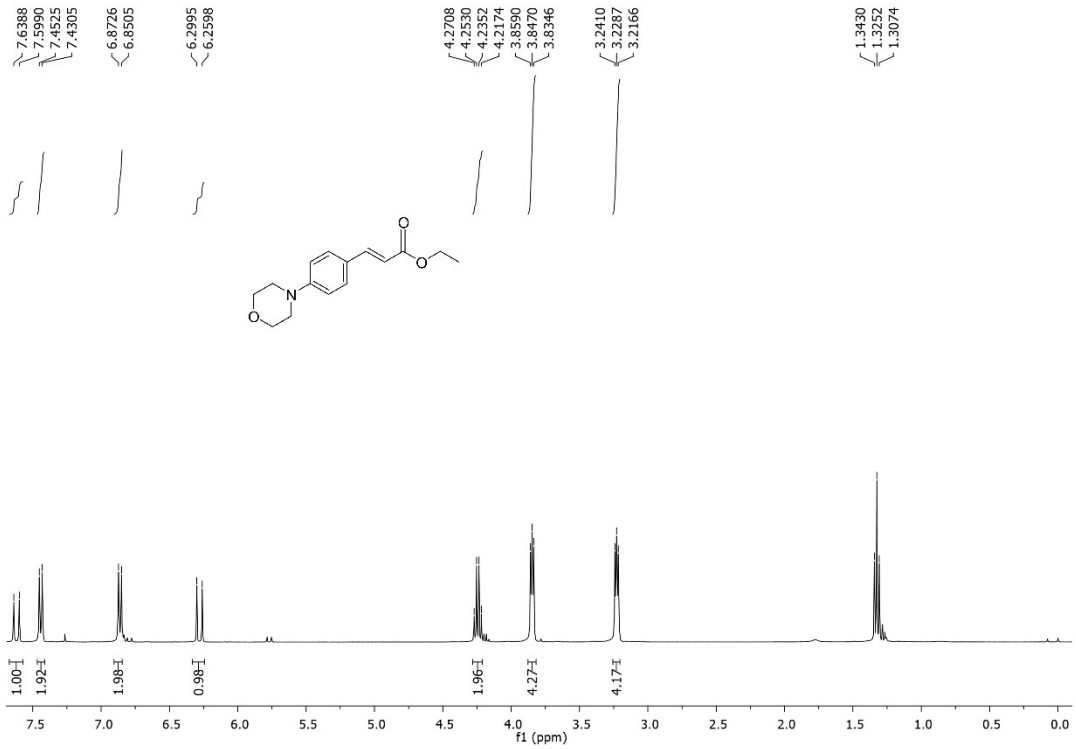


Fig SI10. ^{1}H NMR spectrum ($CDCl_3$) of **3d** derivative.

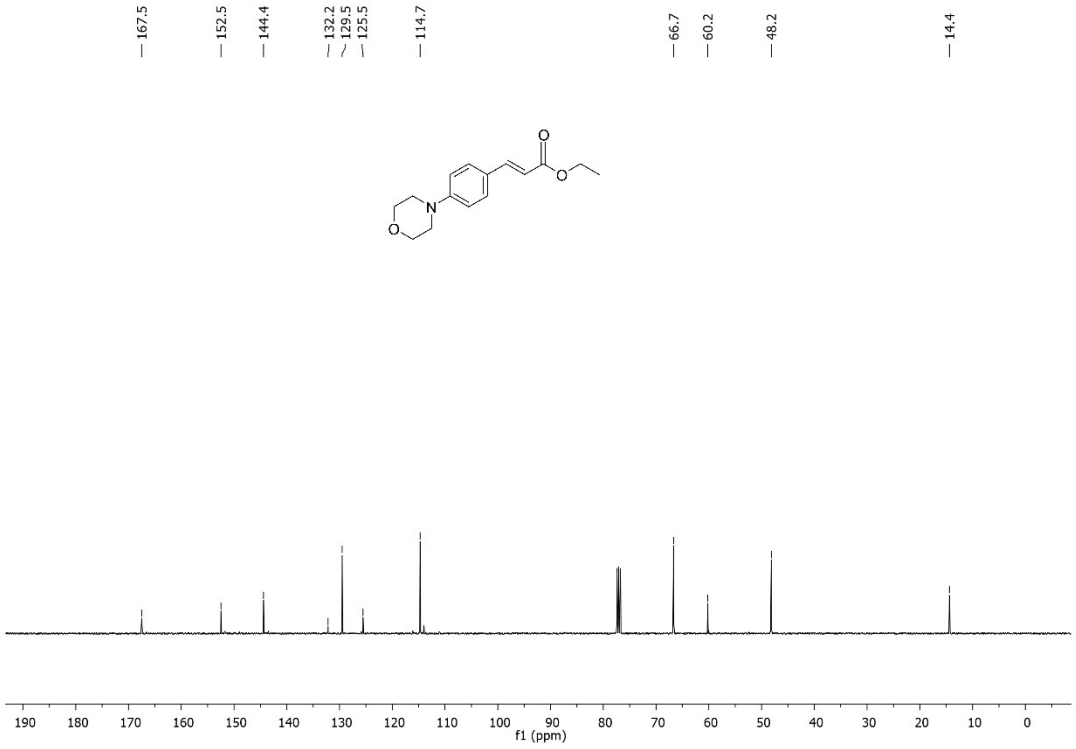


Fig SI11. ^{13}C NMR spectrum ($CDCl_3$) of **3d** derivative.

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Sample Name:Dr Martinez Roberto/ Operador:Carmen Garcia-Javier Perez
Description:
Ionization Mode:ESI+
History:Determine m/z[Peak Detect[Centroid,50,Area];Correct Base[50.0%]];Correct Base[5.0%];Average(MS[1] 1..1)

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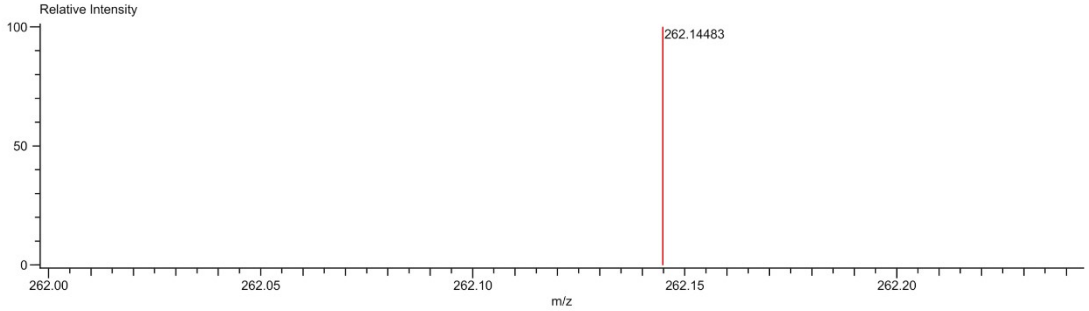
Mass Calibration data:Cal Peg 600
Created:2/7/2017 4:55:06 PM
Created by:AccuTOF

Charge number:1
Tolerance:5.00(mmu)
Unsaturation Number:1.0 .. 30.0 (Fraction:Both)
Element:^{12}C:0 .. 24, ^{1}H:1 .. 30, ^{14}N:1 .. 1, ^{16}O:0 .. 4



Mass	Intensity	Calc. Mass	Mass Difference (mmu)	Mass Difference (ppm)	Possible Formula	Unsaturation Number
262.14483	1312356.45	262.14432	0.51	1.94	$^{12}C_{15}{}^{1}H_{20}{}^{14}N_{1}{}^{16}O_{3}$	6.5

Fig SI12. HRMS spectrum of **3d** derivative.

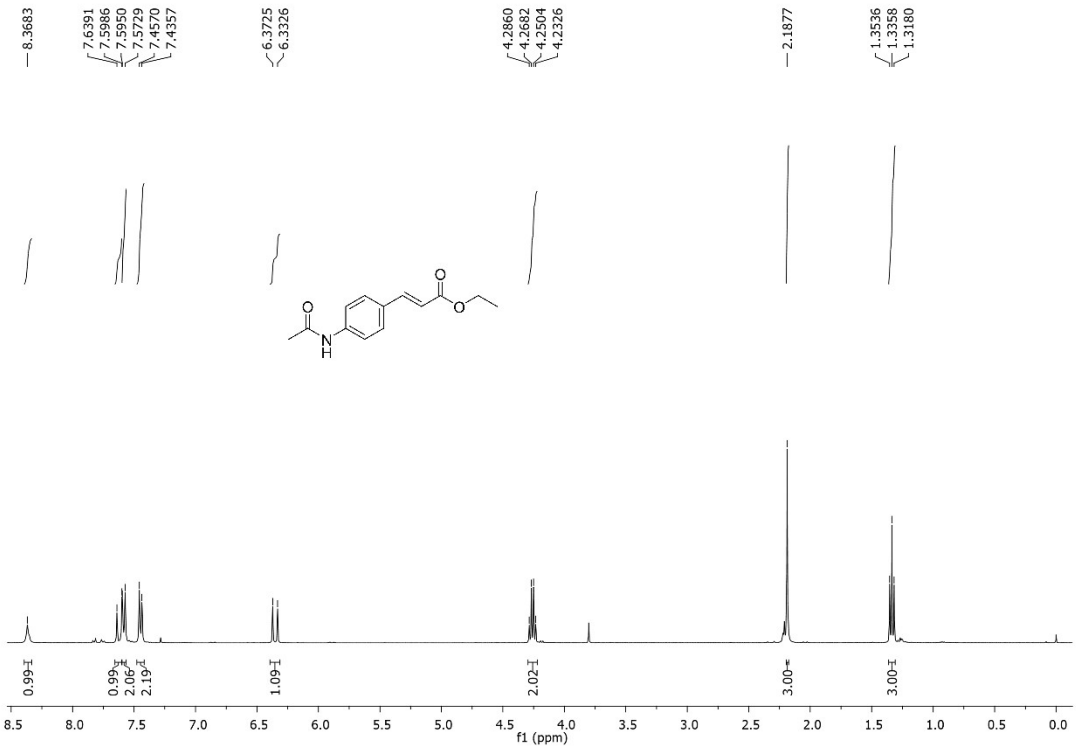


Fig SI13. ^{1}H NMR spectrum ($CDCl_3$) of **3e** derivative.

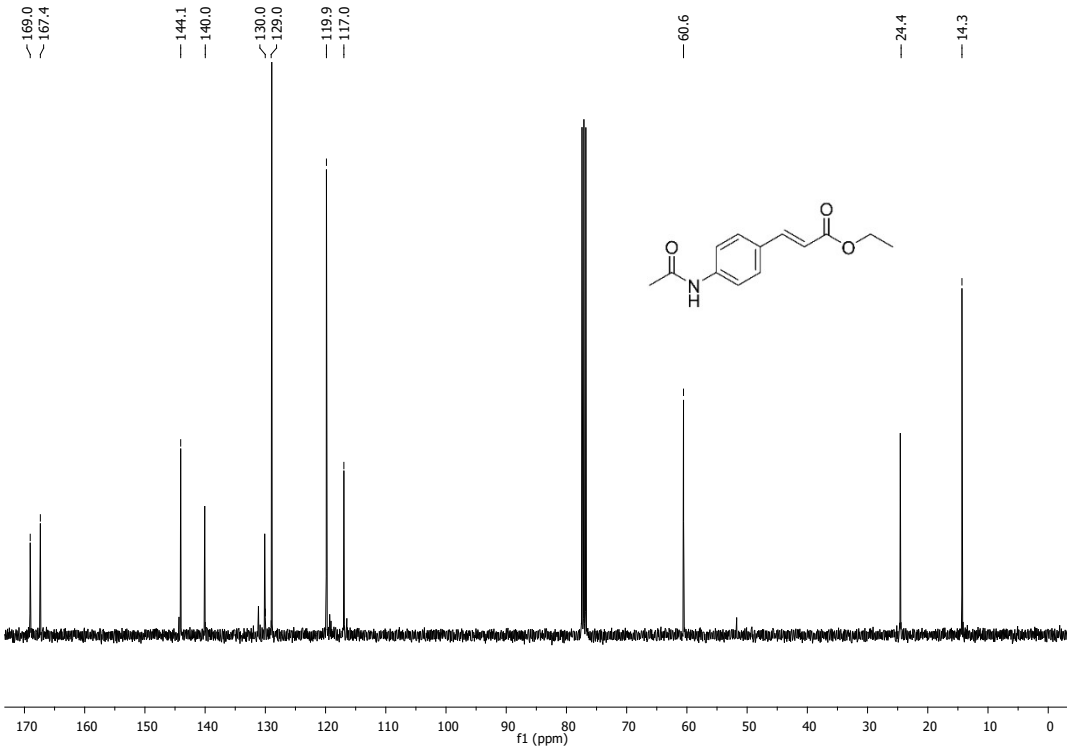


Fig SI14. ^{13}C NMR spectrum ($CDCl_3$) of **3e** derivative.

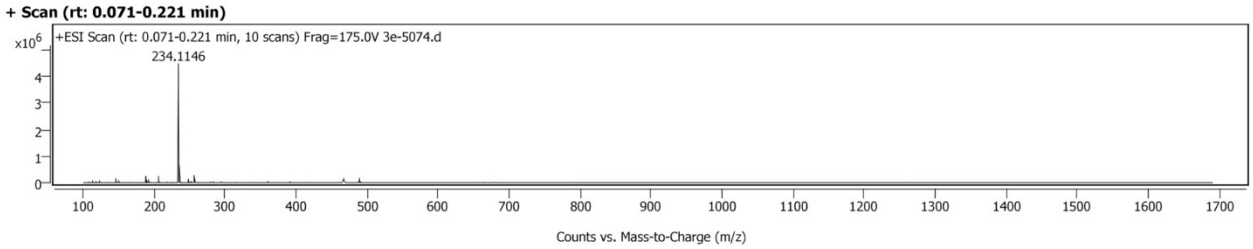


Fig SI15. HRMS spectrum of **3e** derivative.

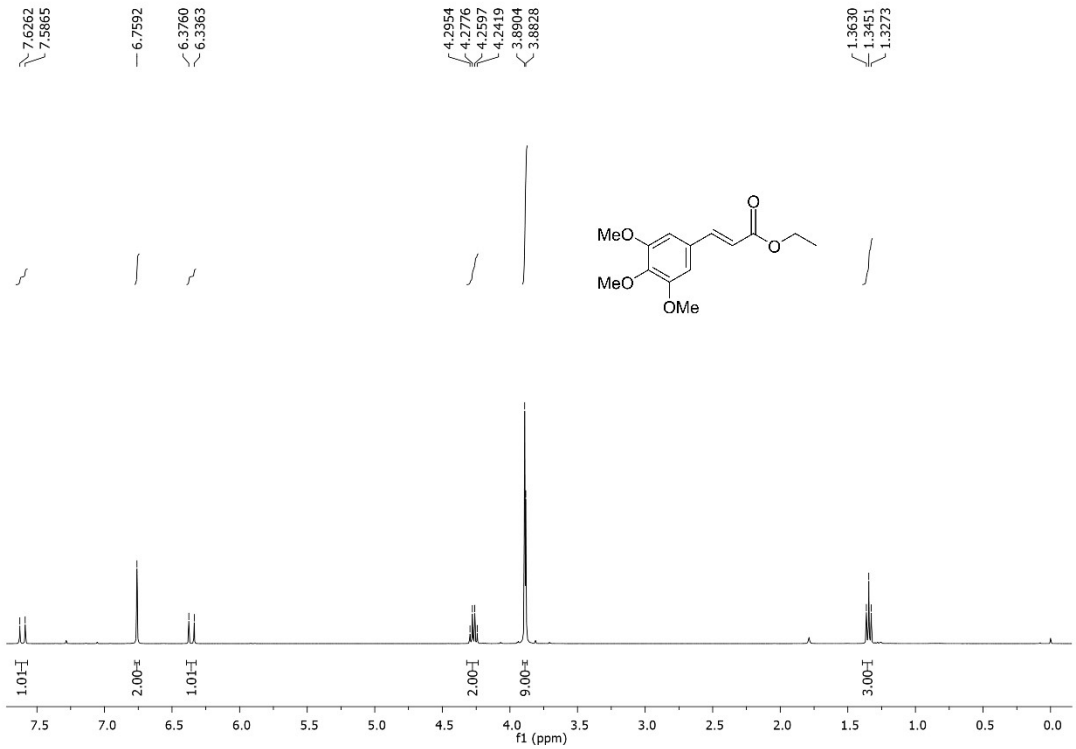


Fig SI16. ^{1}H NMR spectrum ($CDCl_3$) of **3f** derivative.

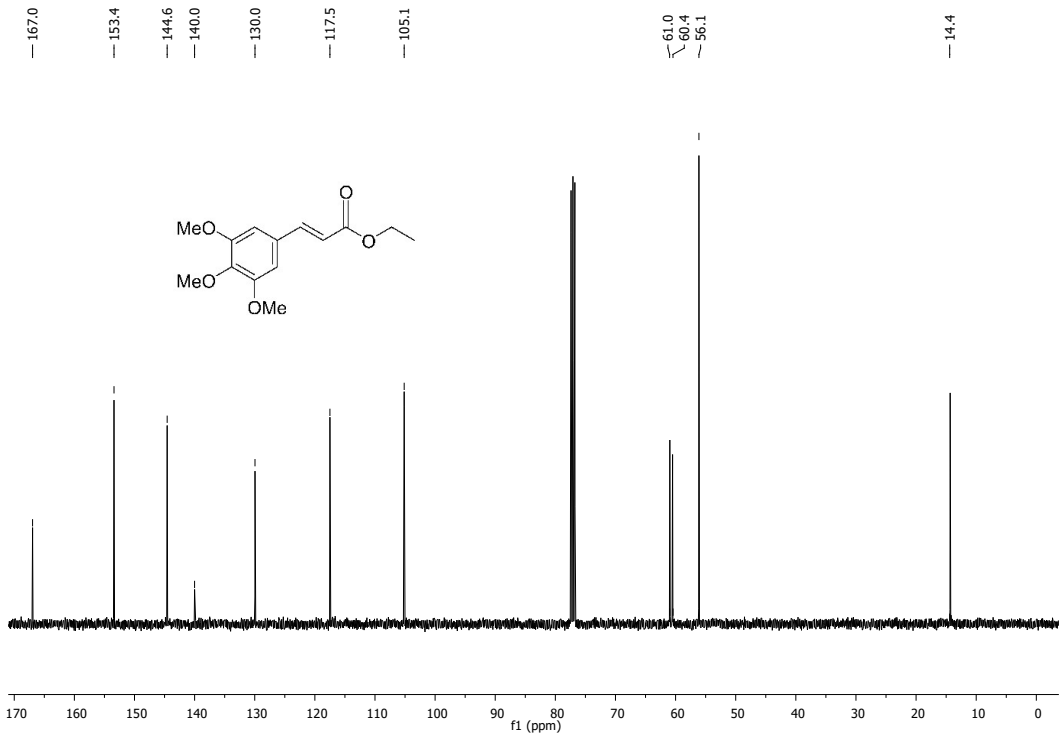


Fig SI17. ^{13}C NMR spectrum ($CDCl_3$) of **3f** derivative.

Data:325 MEHF-51
Sample Name:Dr Martinez Roberto/ Operador:Carmen Garcia-Javier Perez
Description:
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Created by:AccuTOF

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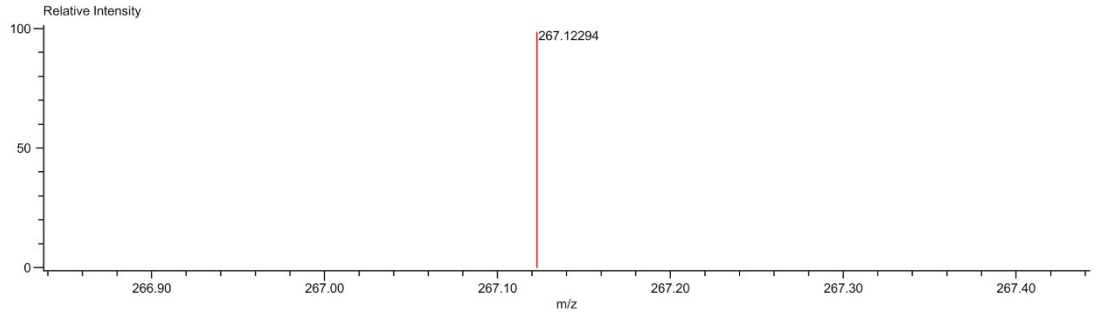
Tolerance:5.00(mmu)
Unsaturation Number:1.0 .. 30.0 (Fraction:Both)
Element:^{12}C:0 .. 24, ^{1}H:1 .. 30, ^{16}O:0 .. 5



Mass	Intensity	Calc. Mass	Mass Difference (mmu)	Mass Difference (ppm)	Possible Formula	Unsaturation Number
267.12294	392453.81	267.12325	-0.31	-1.15	$^{12}C_{14}{}^{1}H_{19}{}^{16}O_5$	5.5

Fig SI18. HRMS spectrum of **3f** derivative.

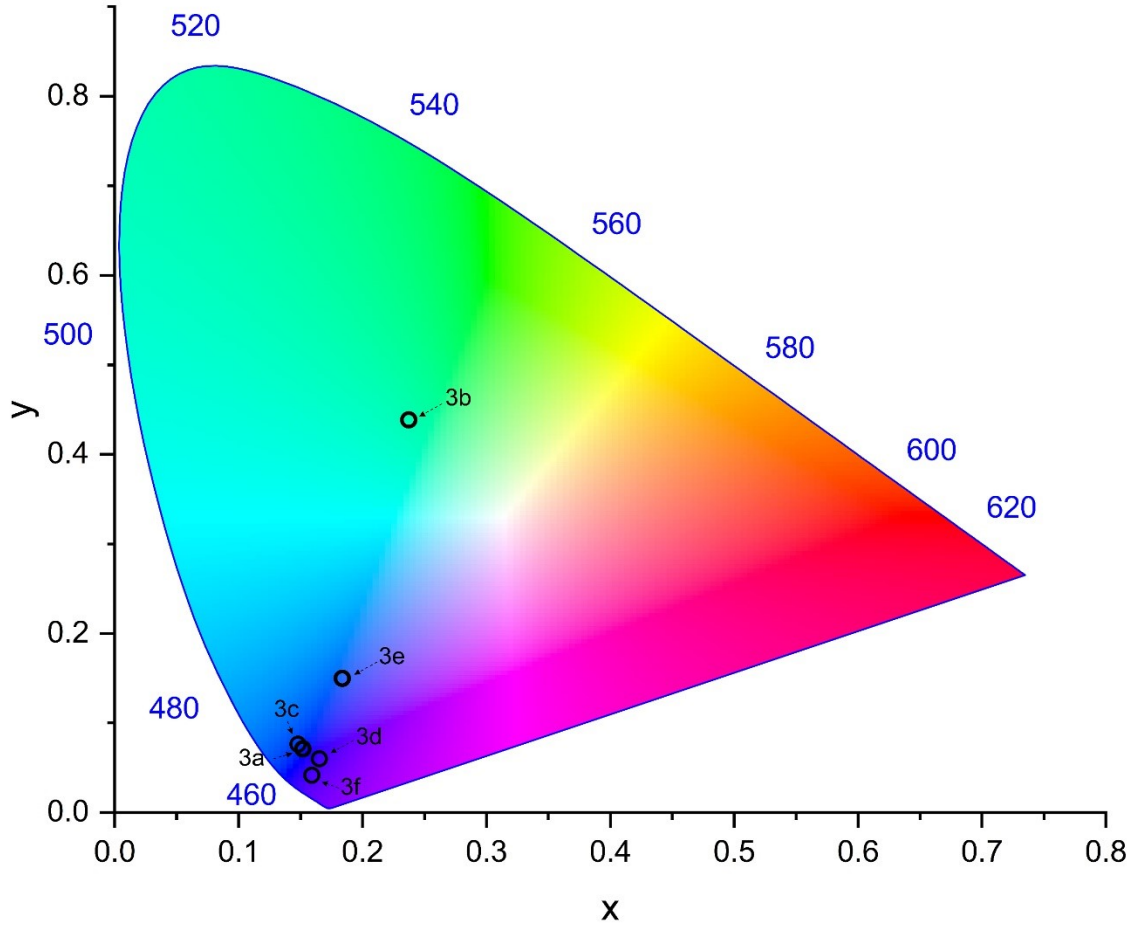


Fig SI19. Coordinates of the compounds 3**a-f** represented in the CIE map 1931.

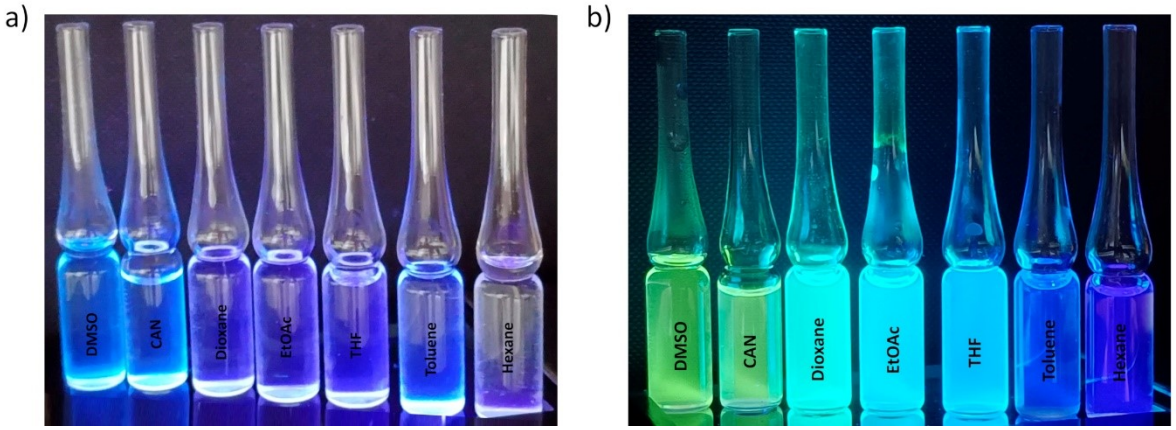


Fig SI20. Pictures of compounds a) **3a** and b) **3b** in different solvents were taken under a 365 nm UV lamp.