Supporting Information

Flavone derivative displaying a 4′-aminophenoxy moiety as potential selective anticancer agent in NSCLC tumour cells

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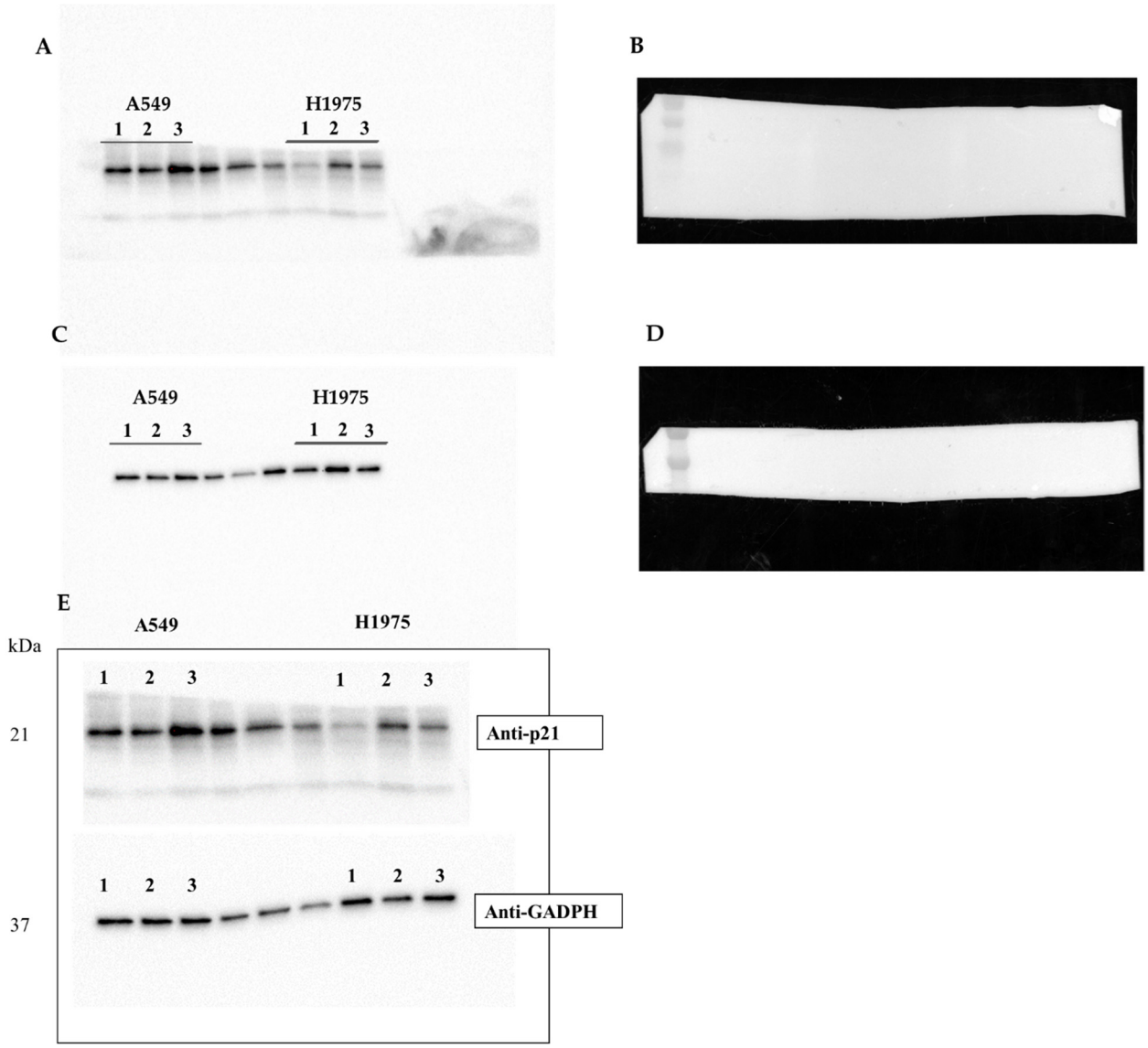
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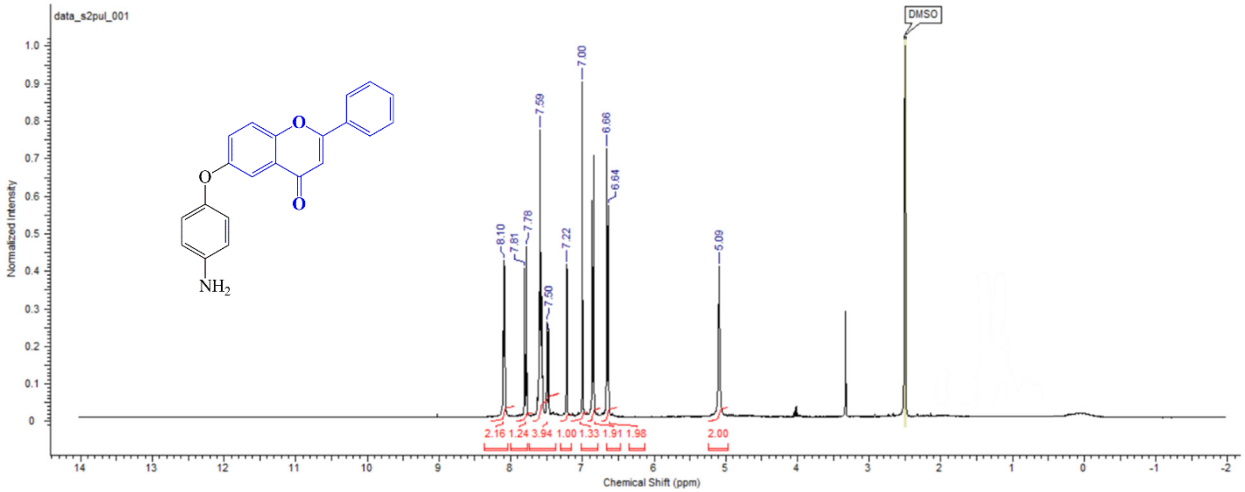
Figure S1. Exposure of western blot analysis

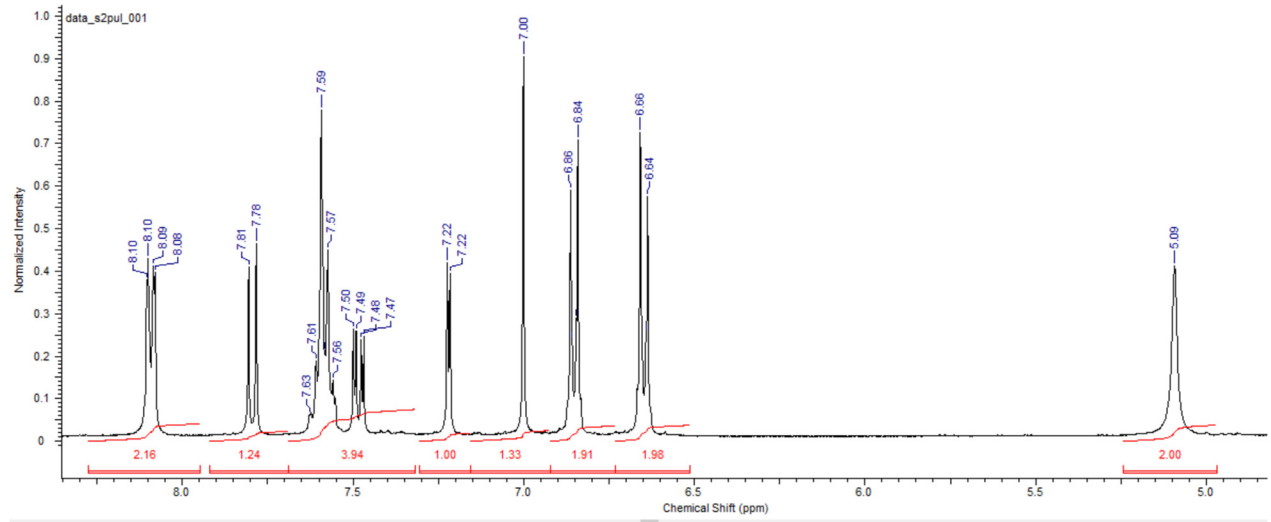


Exposure of western blot analysis. The sample derive from the same experiment; gels and blots were processed in parallel. After blot, membranes were then cropped, with the help of the marker, at the height of the protein of interest before being incubated with the antibody. During development at Chemidoc, the cropped membranes were developed together considering the sensitivity of the antibody and the same exposure times. Cropped membrane for p21 (a) and GADPH (c); Membrane marker for p21 (b) and GADPG (d). Samples, **1**-untreated; **2**-APF-1, 1.5 μM; **3**-APF-1, 3 μM.

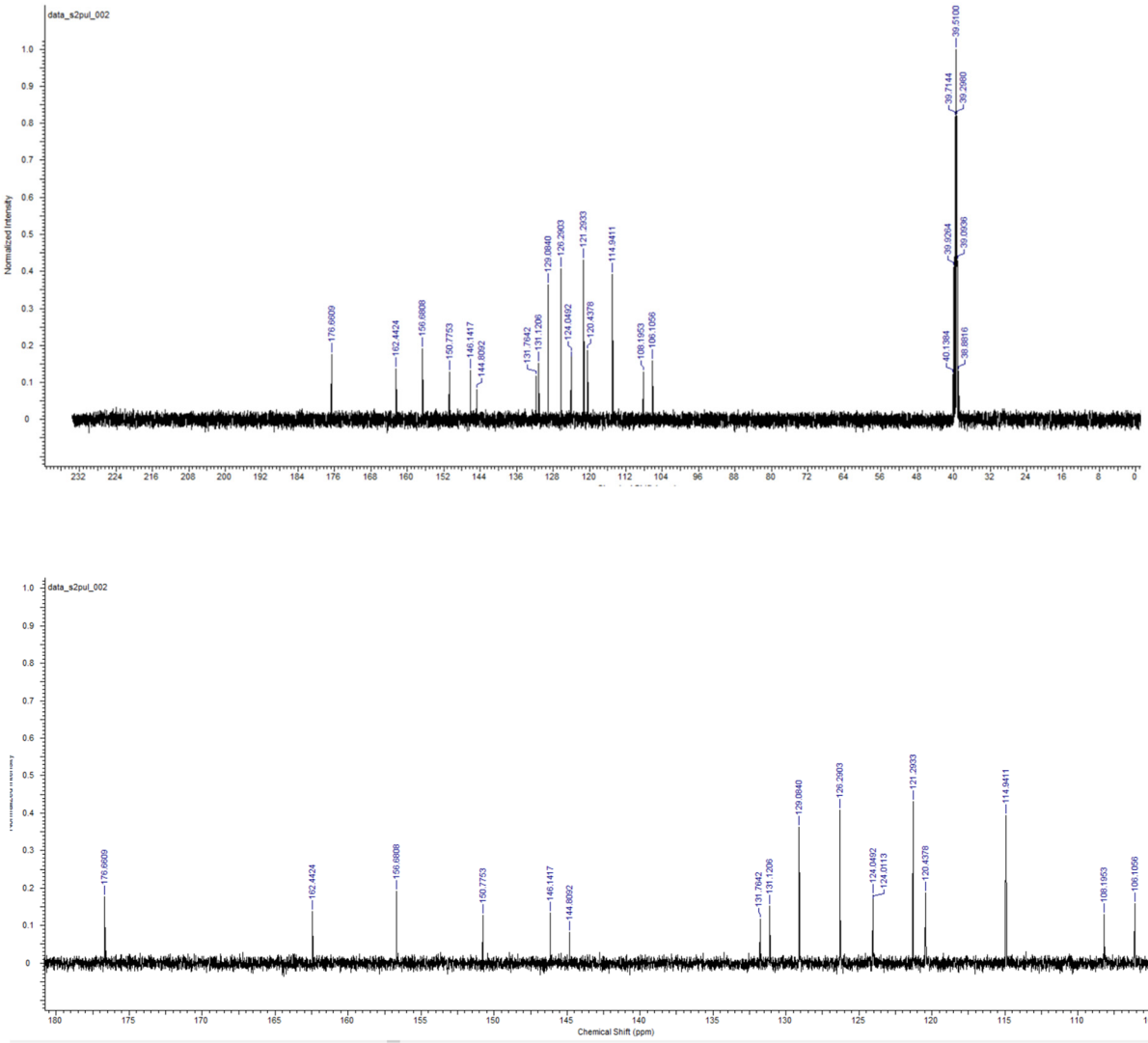
Figures S2 and S3. Copies of ^{1}H NMR and ^{13}C NMR Spectra

NMR spectra of compound **APF-2** (**^{1}H NMR**, 400 MHz, DMSO-d6)

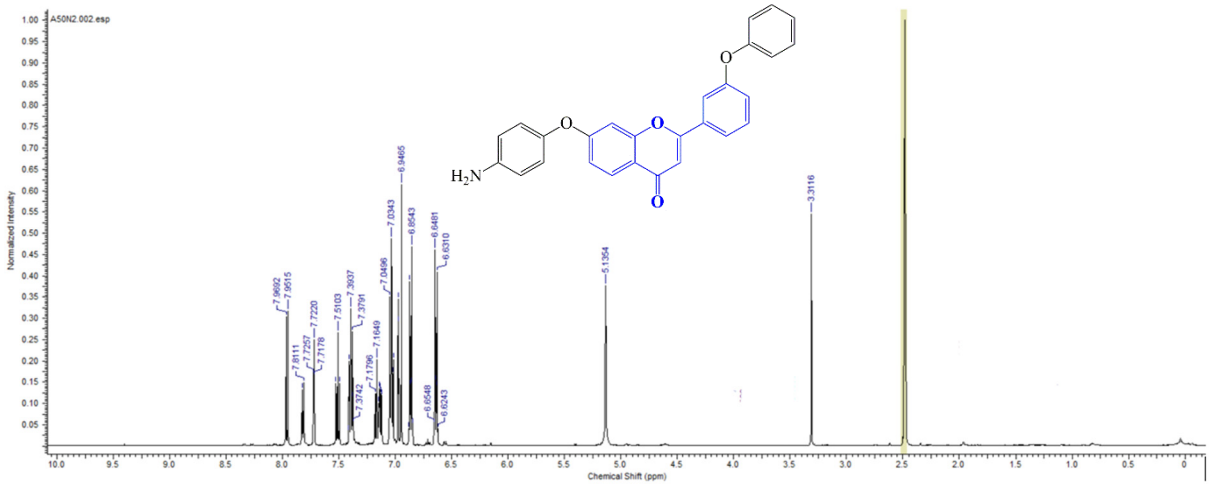


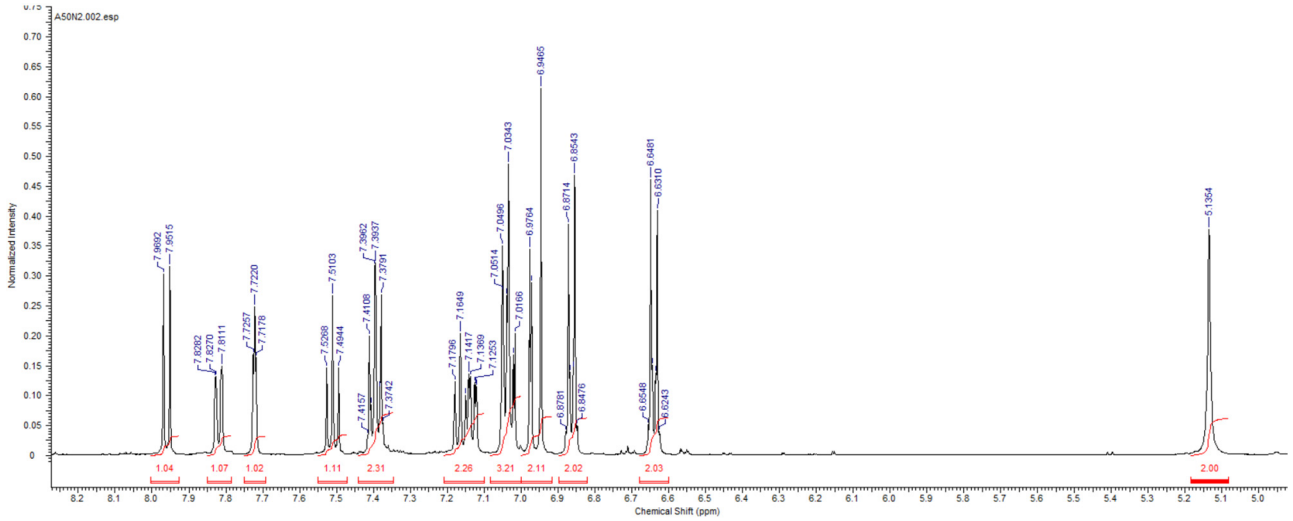


NMR spectra of compound **APF-2** (**^{13}C NMR**, 100 MHz, DMSO-d6)

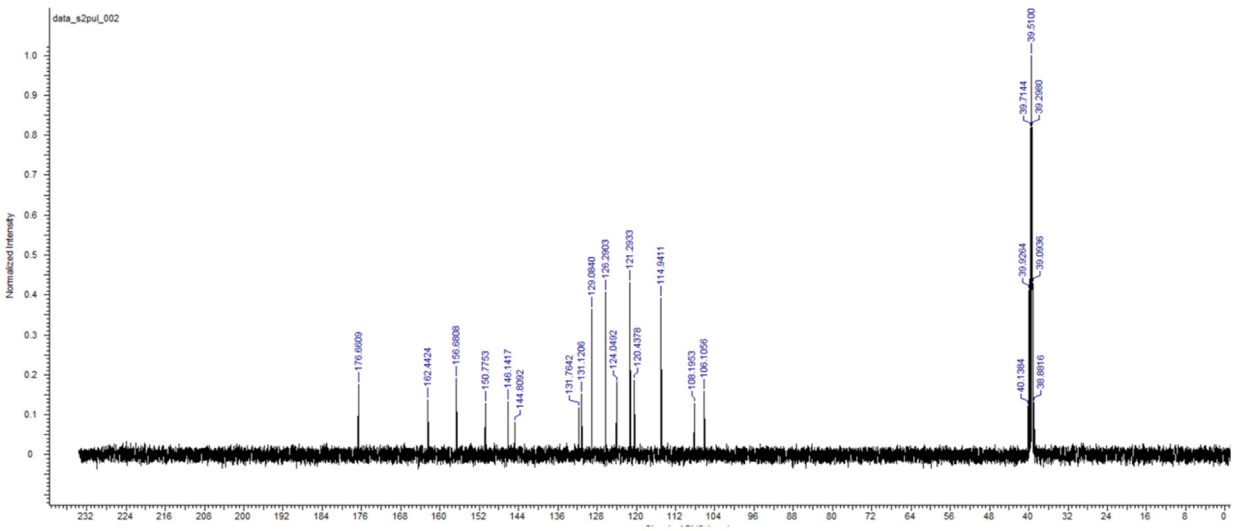


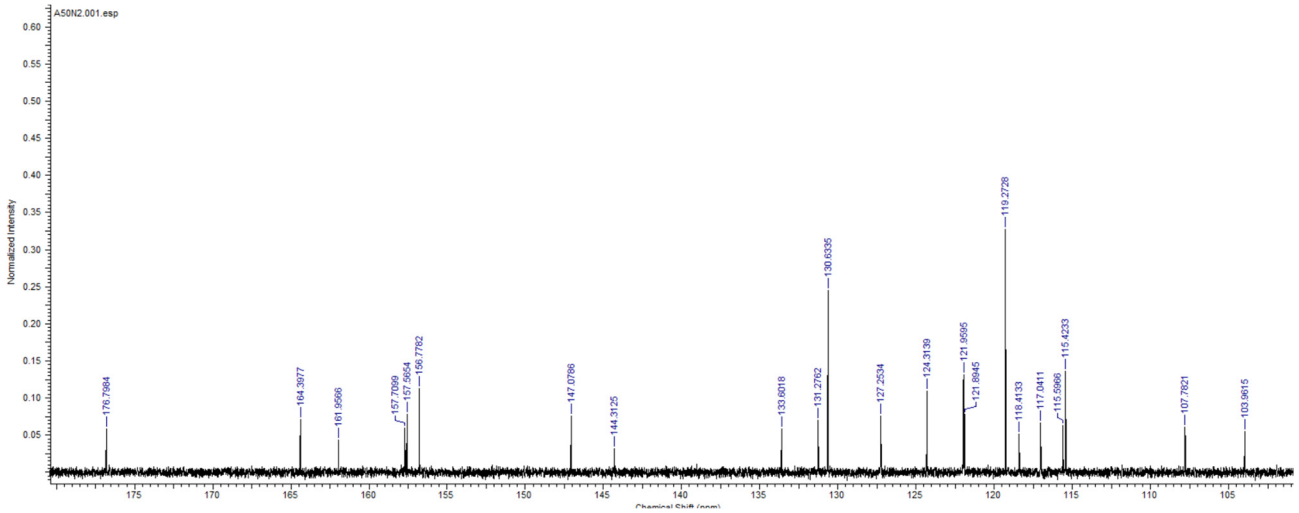
NMR spectra of compound **APF-3** (**^{1}H NMR**, 500 MHz, DMSO-d6)



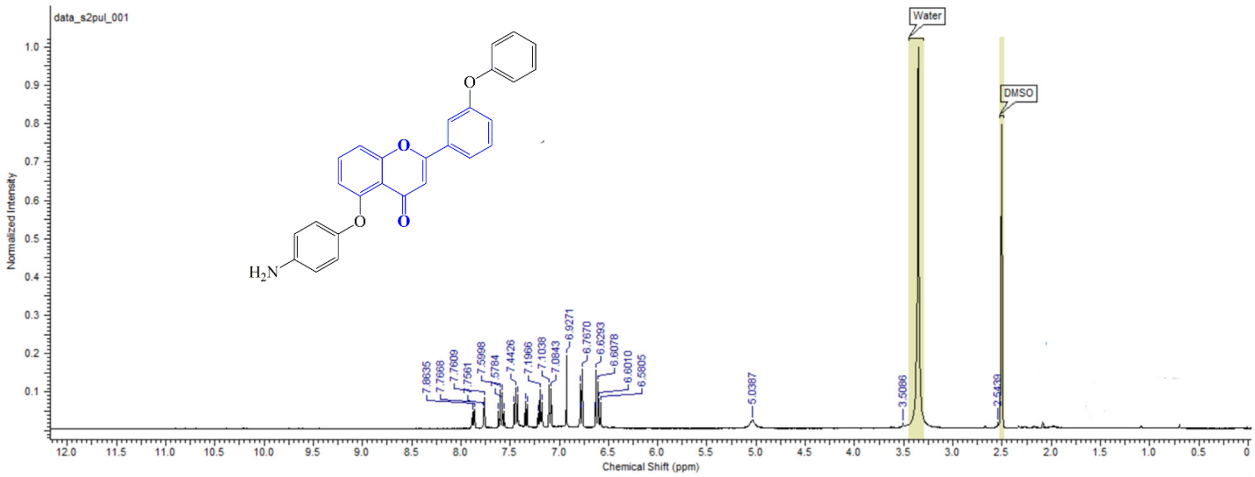


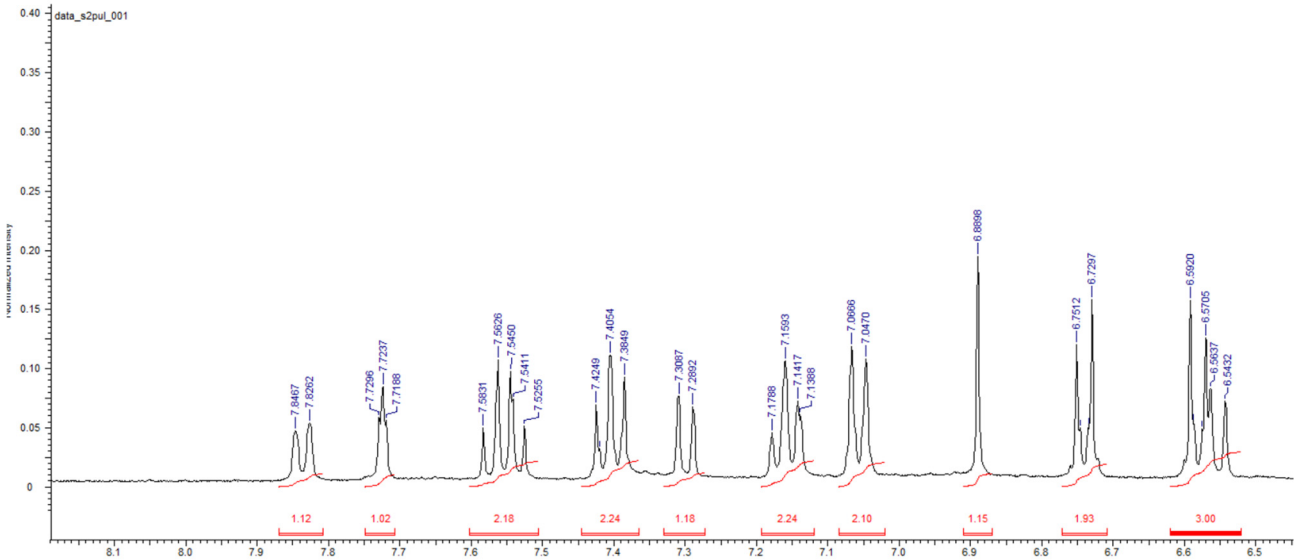
NMR spectra of compound **APF-3** (**^{13}C NMR**, 125 MHz, DMSO-d6)



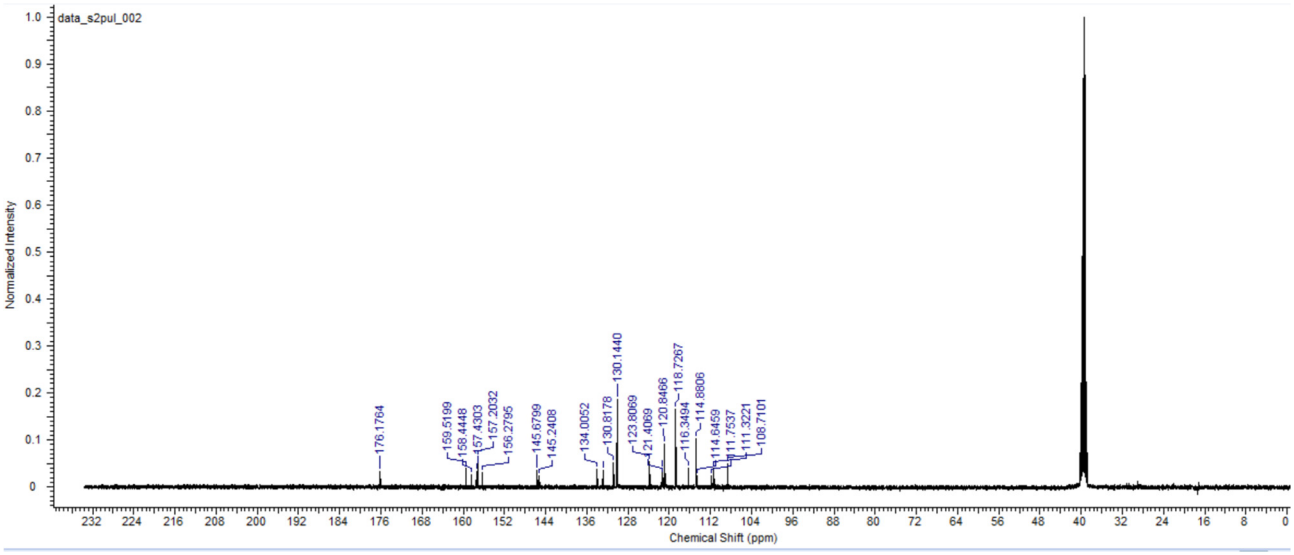


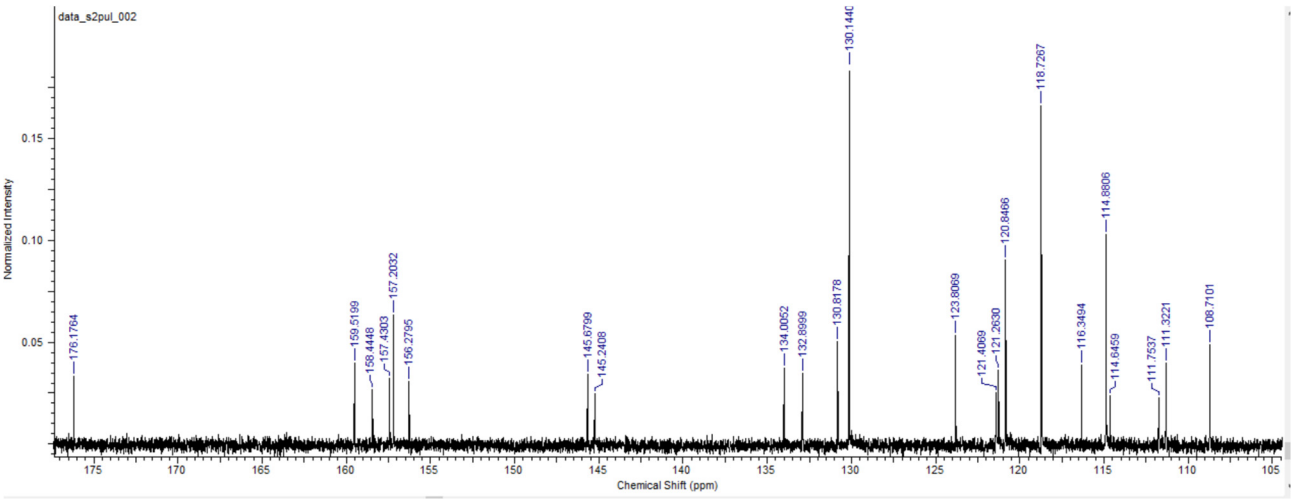
NMR spectra of compound **APF-4** (**^{1}H NMR**, 400 MHz, DMSO-d6)



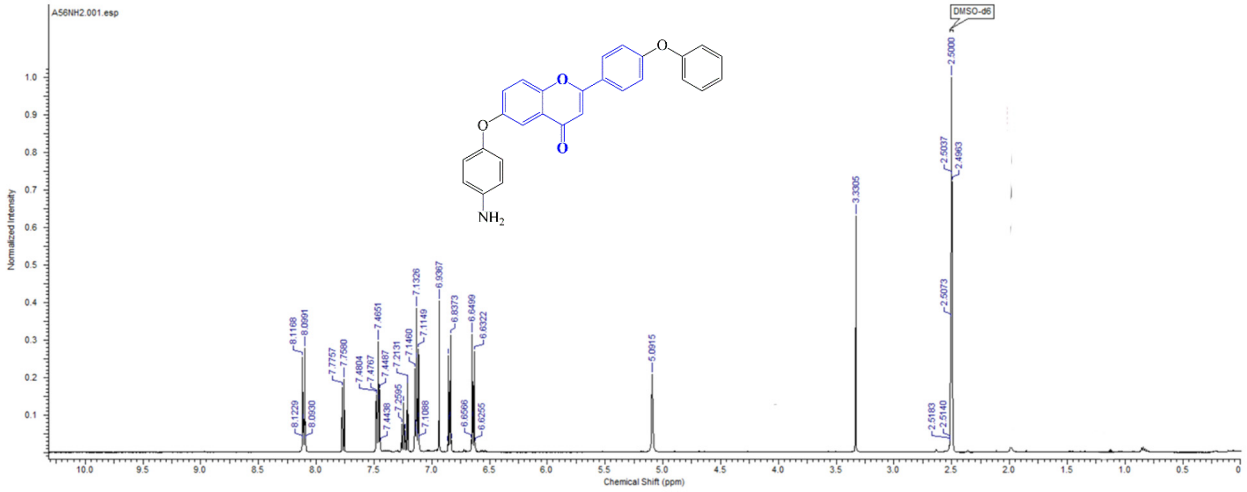


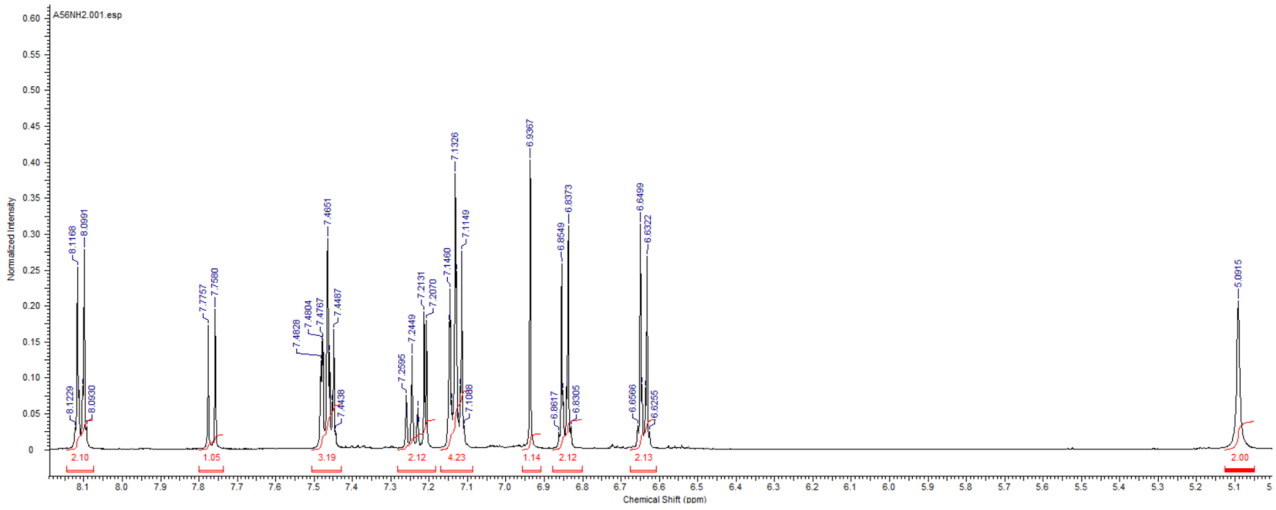
NMR spectra of compound **APF-4** (**^{13}C NMR**, 100 MHz, DMSO-d6)



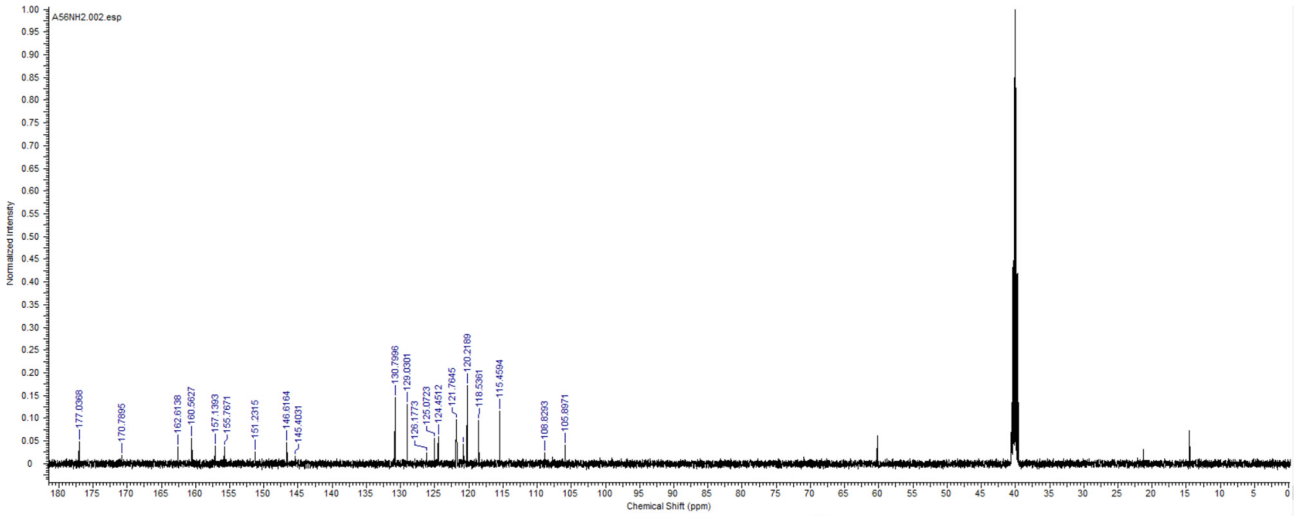


NMR spectra of compound **APF-5** (**^{1}H NMR**, 500 MHz, DMSO-d6)





NMR spectra of compound **APF-5** (**^{13}C NMR**, 125 MHz, DMSO-d6)



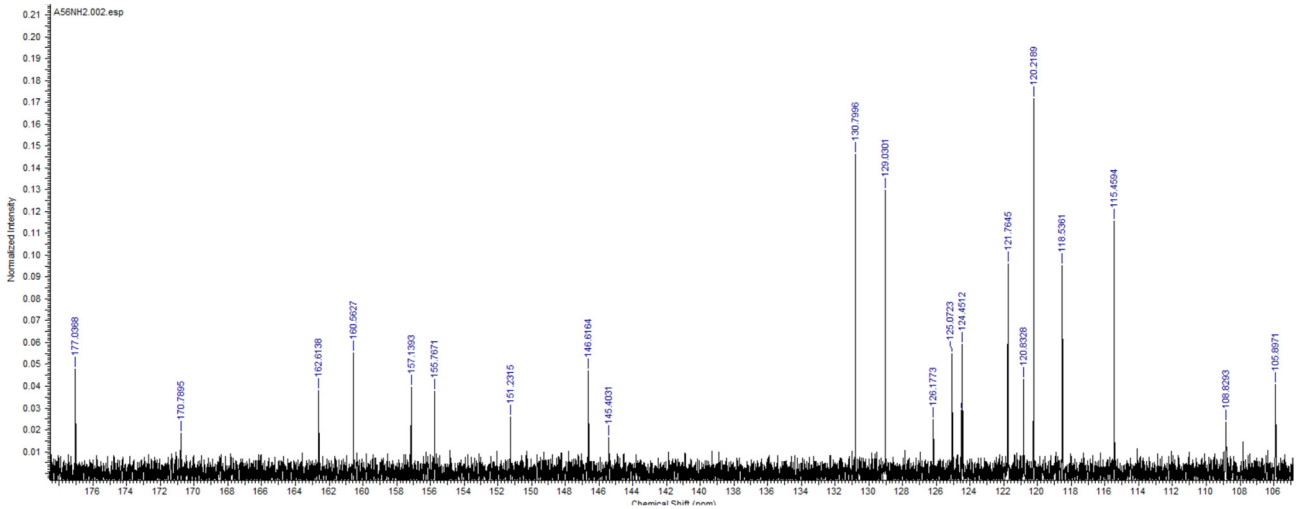
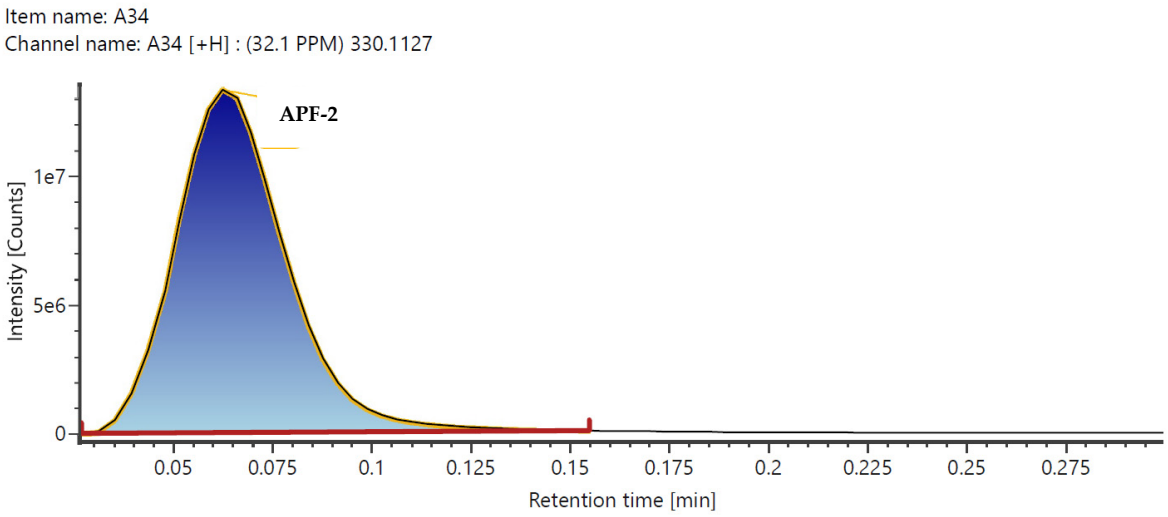
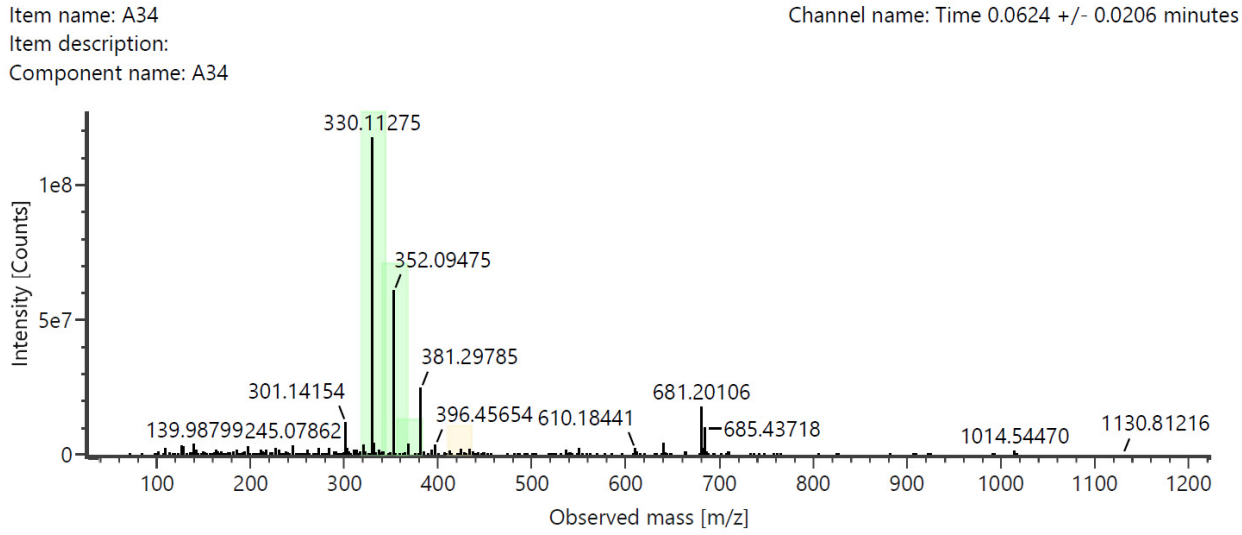


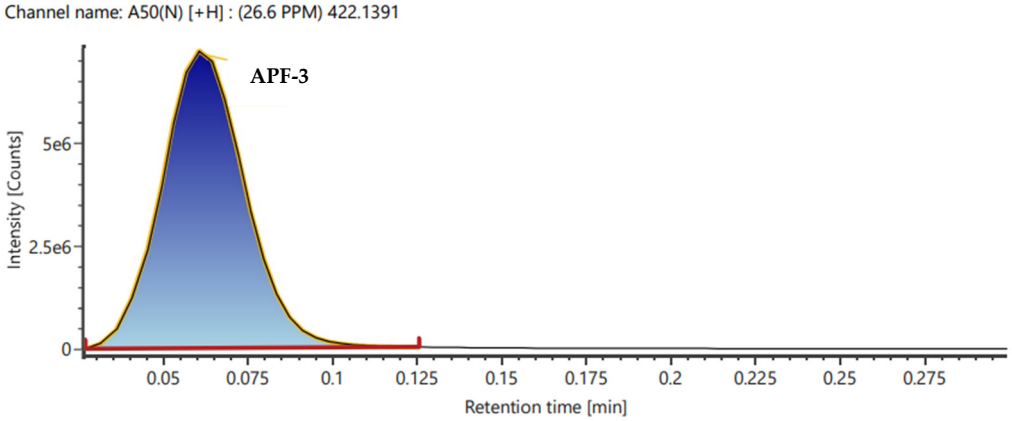
Figure S4. Copies of HRMS Spectra

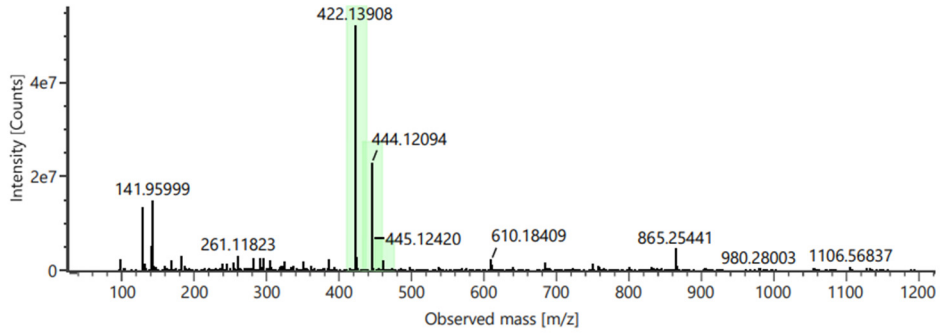
HRMS Spectrum of compound **APF-2** (neutral mass 329. 34723 Da).



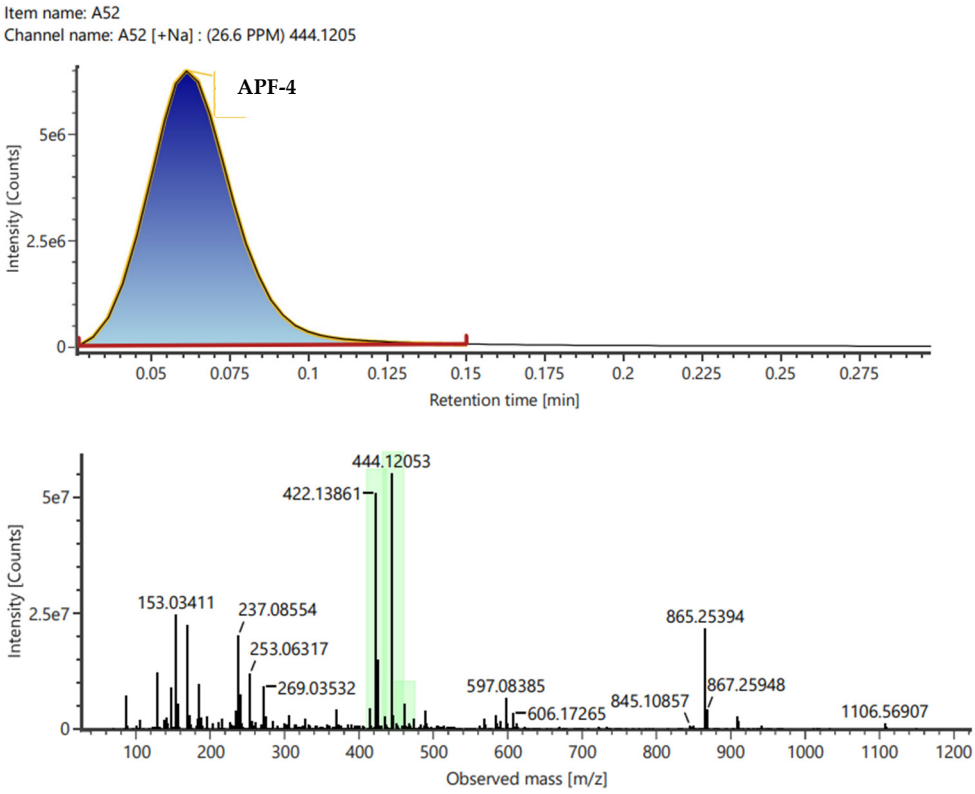


HRMS Spectrum of compound **APF-3** (neutral mass 421.13141 Da)

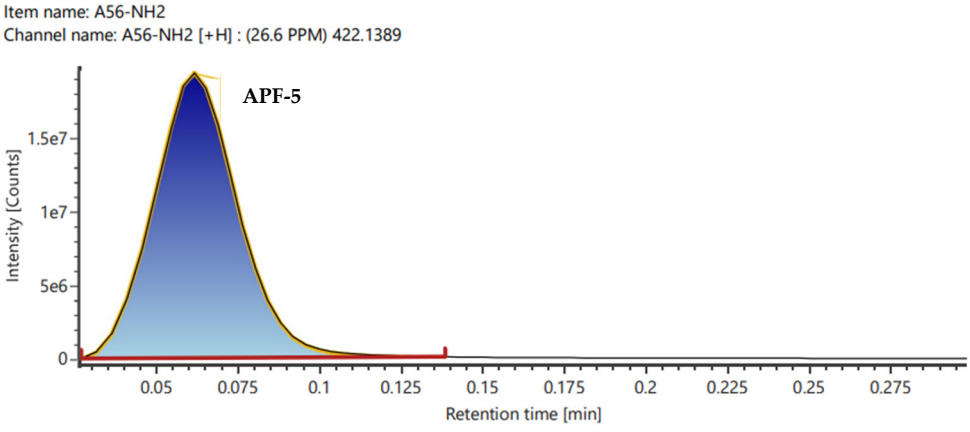




HRMS Spectrum of compound **APF-4** (neutral mass 421.13141 Da)



HRMS Spectrum of compound **APF-5** (neutral mass (neutral mass 421.13141 Da)



Item name: A56-NH2
Item description:
Component name: A56-NH2

Channel name: Time 0.0615 +/- 0.0209 minutes

