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## SUPPLEMENTARY MATERIAL

### **Modified *N,O*-nucleosides: design, synthesis and anti-tumor activity**

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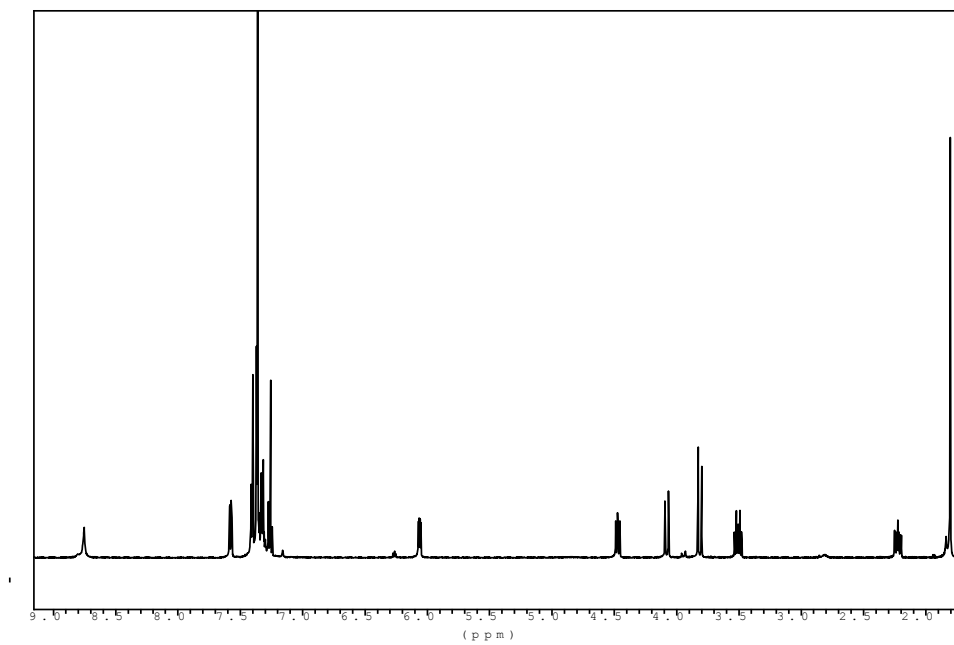
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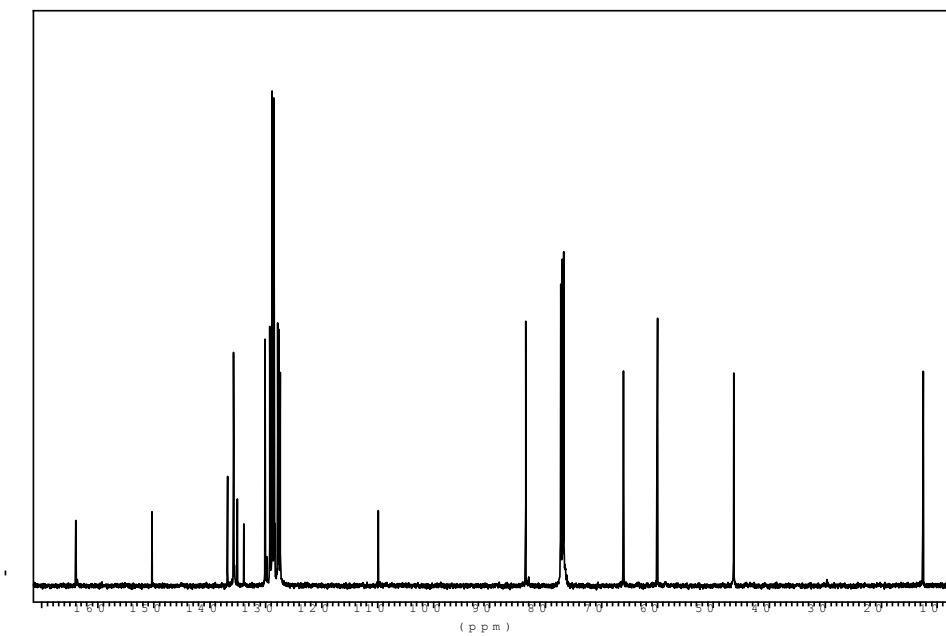
<sup>D</sup>Corresponding authors. Email: maiuolo@unical.it; brl@unife.it

5f

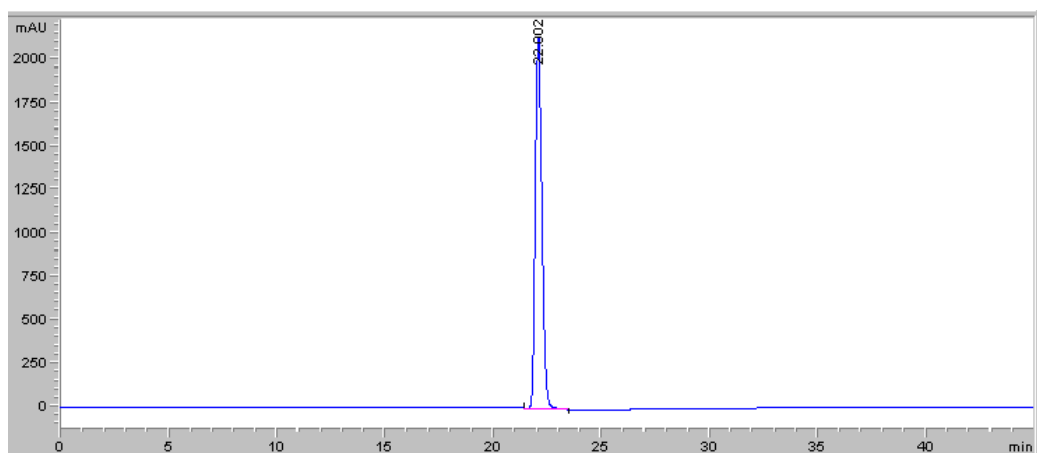
$^1\text{H}$  NMR



$^{13}\text{C}$  NMR

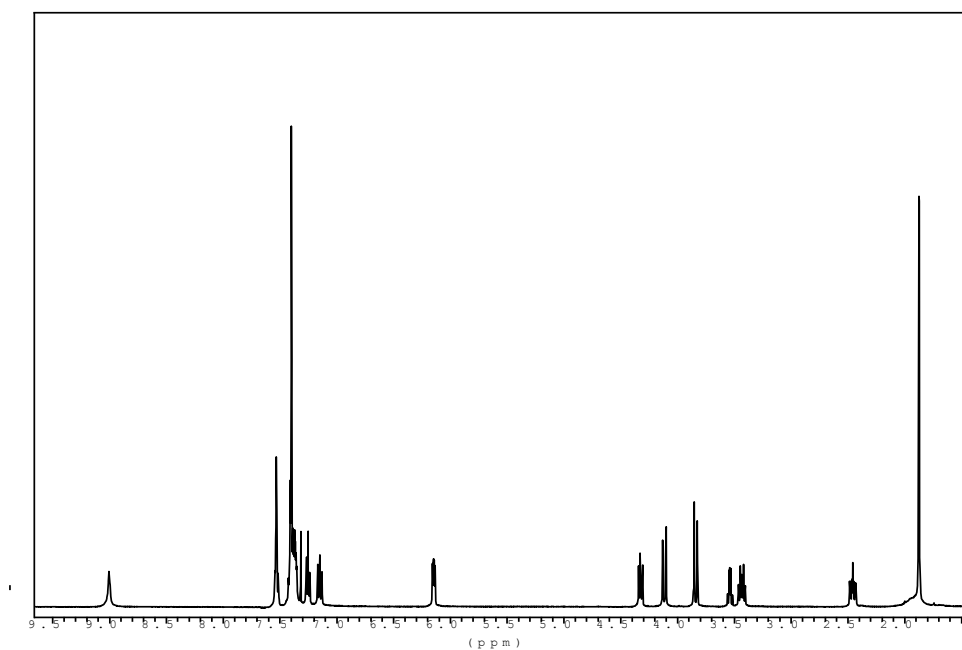


HPLC

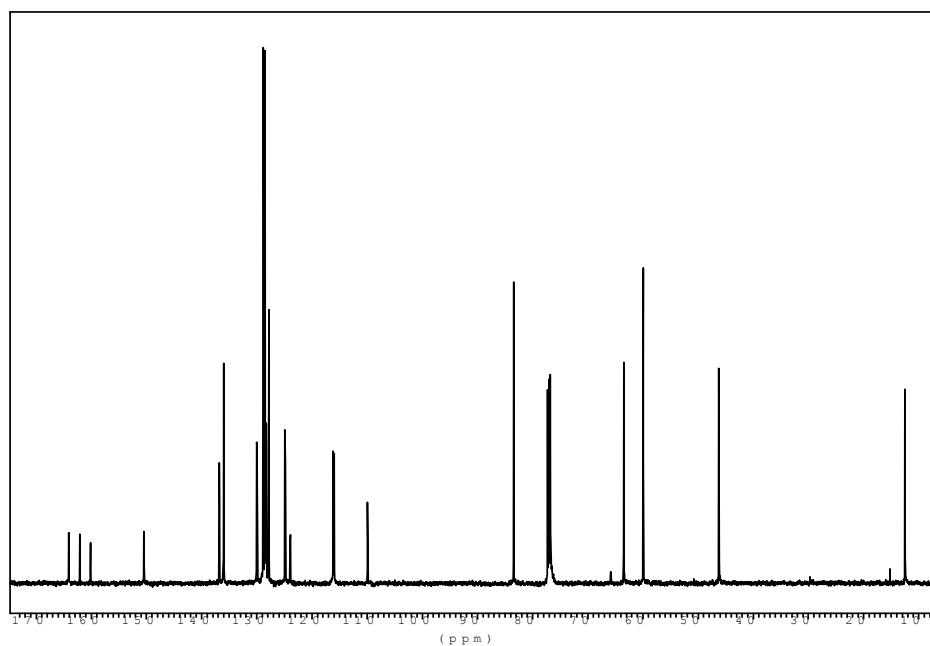


5g

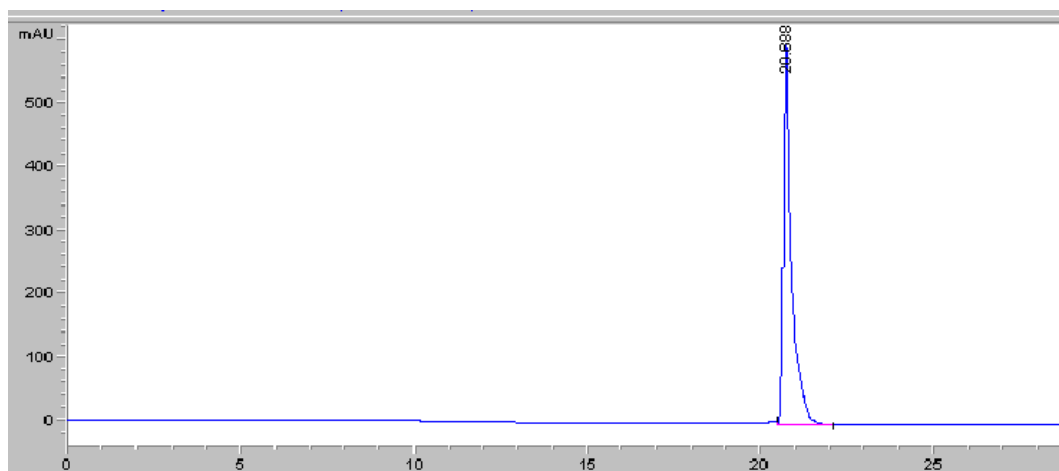
$^1\text{H}$  NMR



$^{13}\text{C}$  NMR

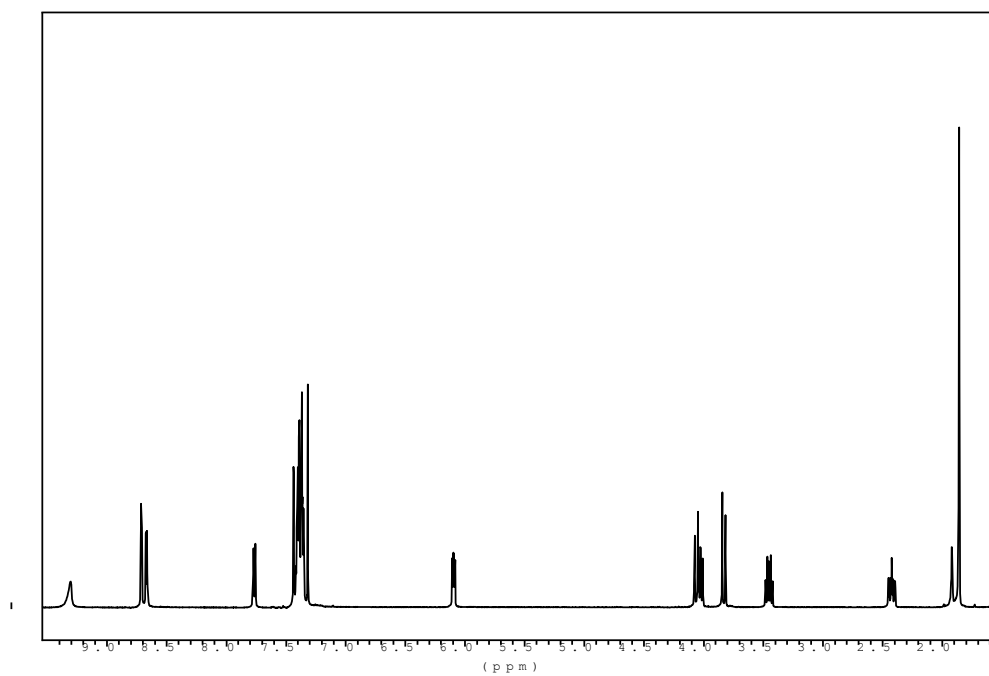


HPLC

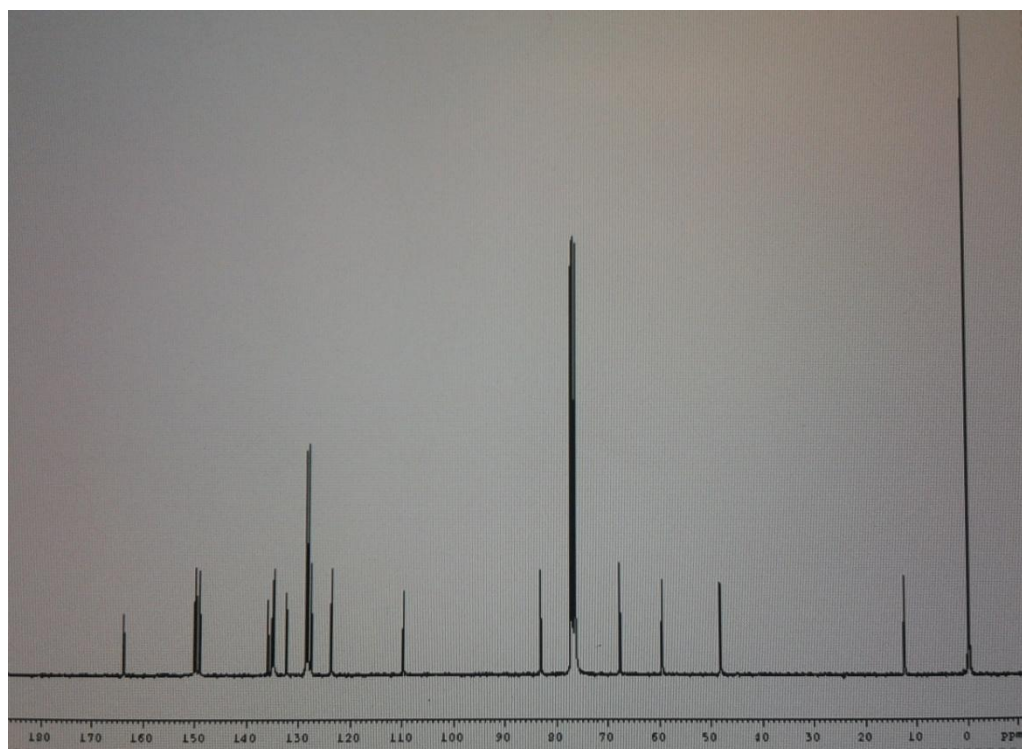


**5h**

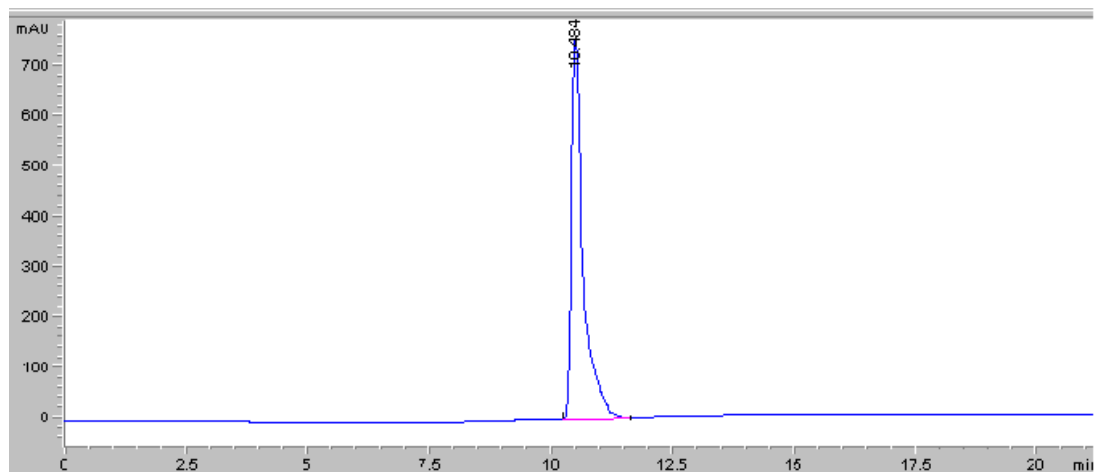
$^1\text{H}$  NMR



$^{13}\text{C}$  NMR

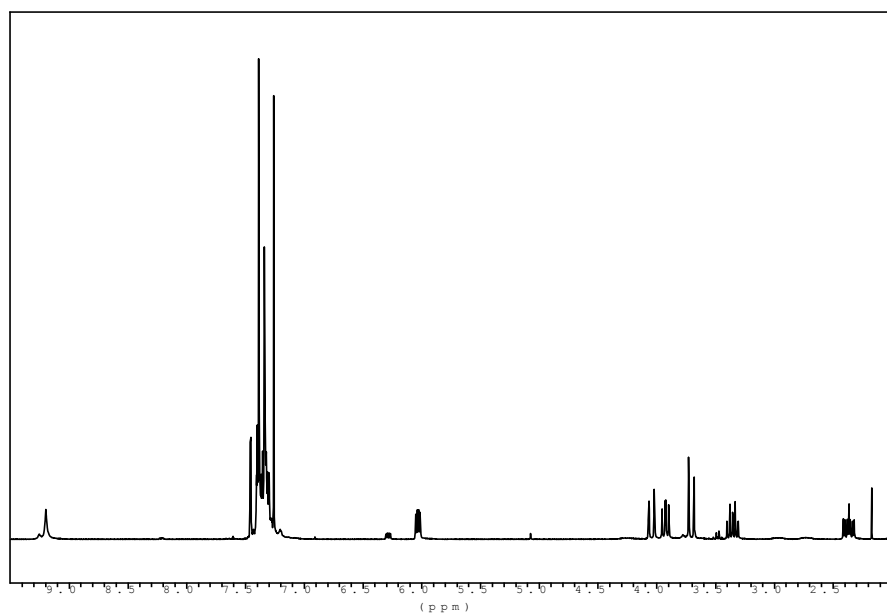


## HPLC

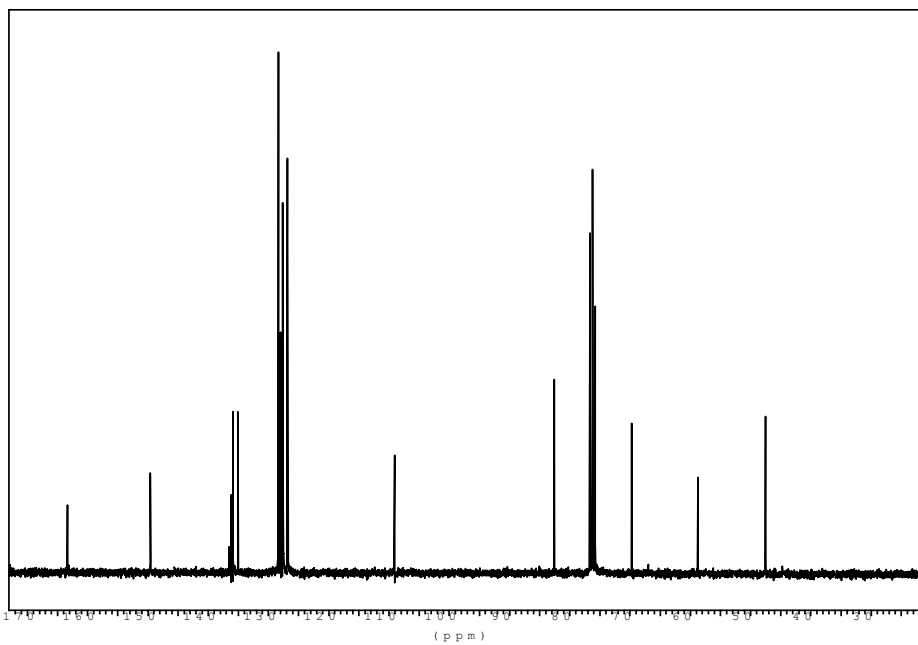


## 5i

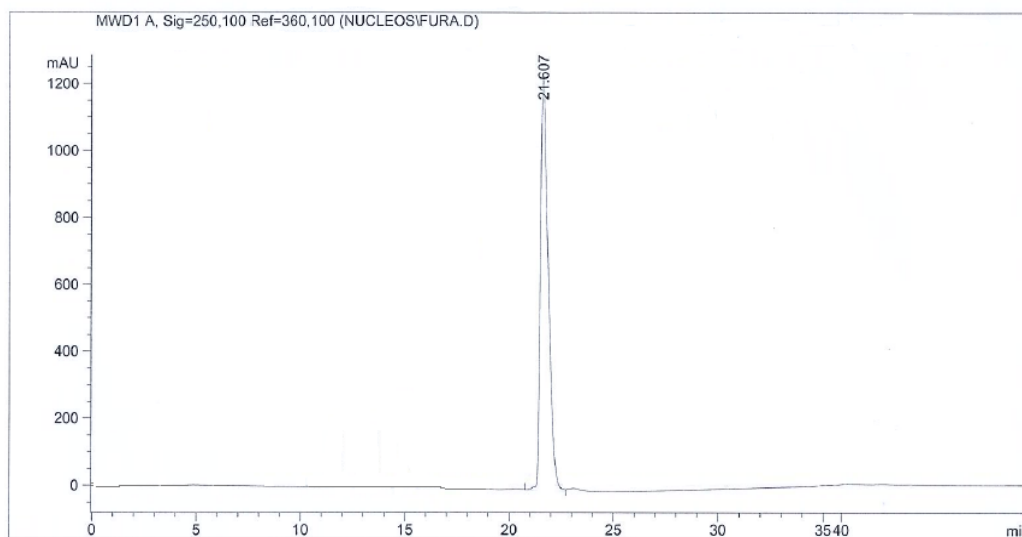
### $^1\text{H}$ NMR



$^{13}\text{C}$  NMR

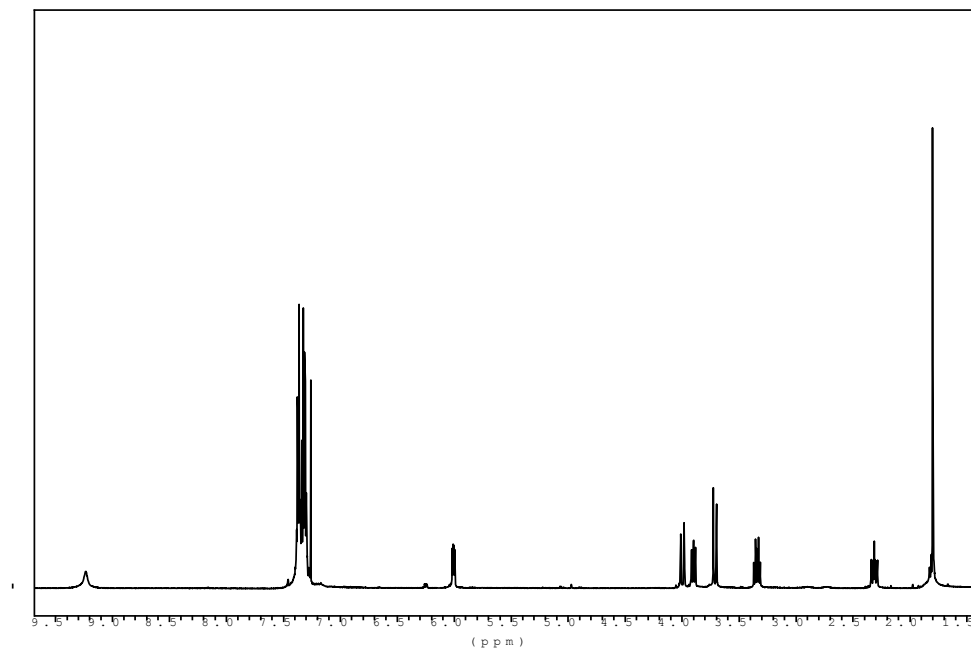


HPLC

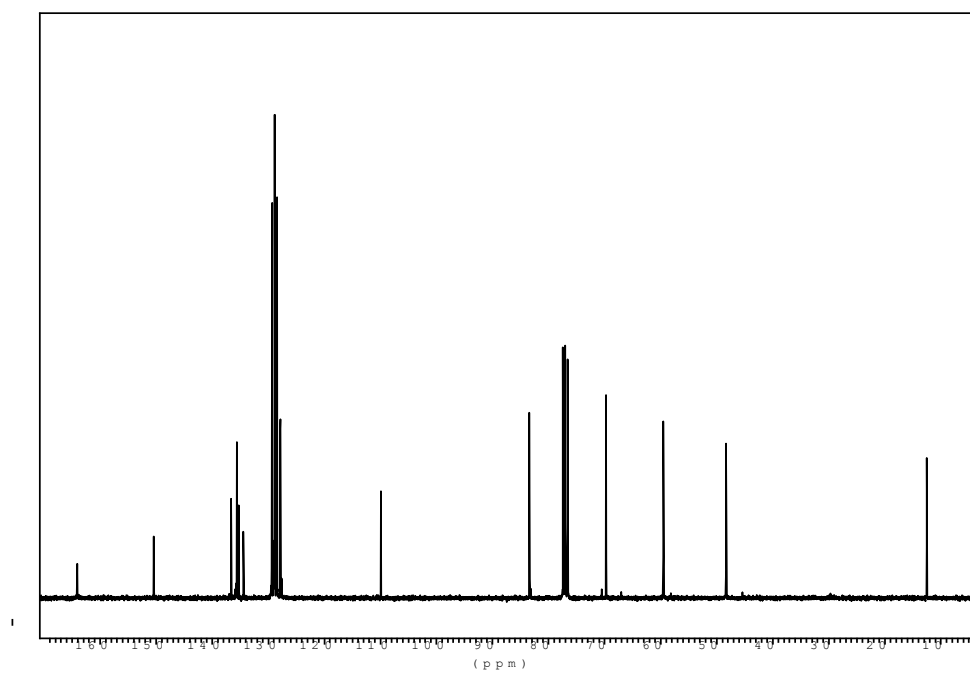


5j

$^1\text{H}$  NMR

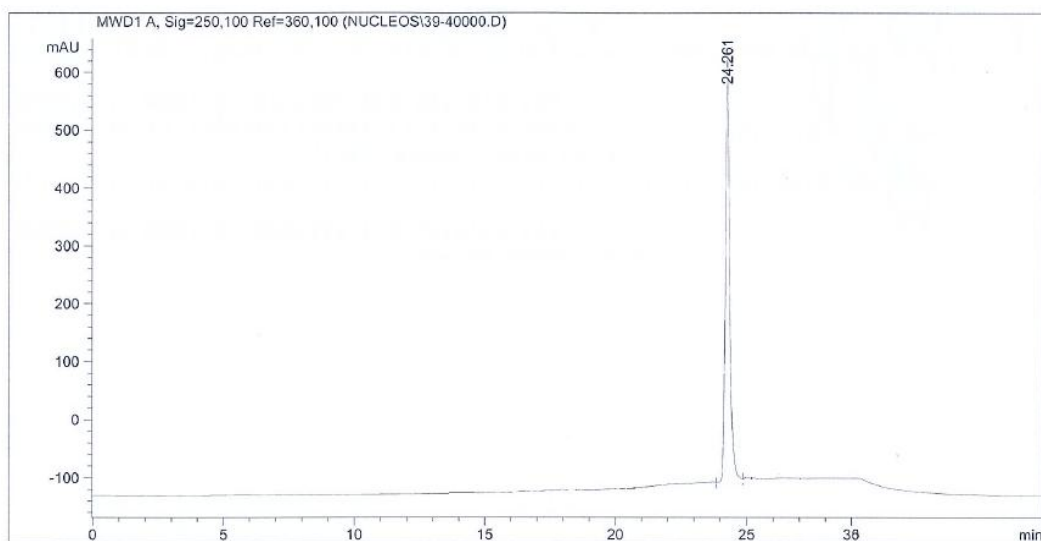


$^{13}\text{C}$  NMR



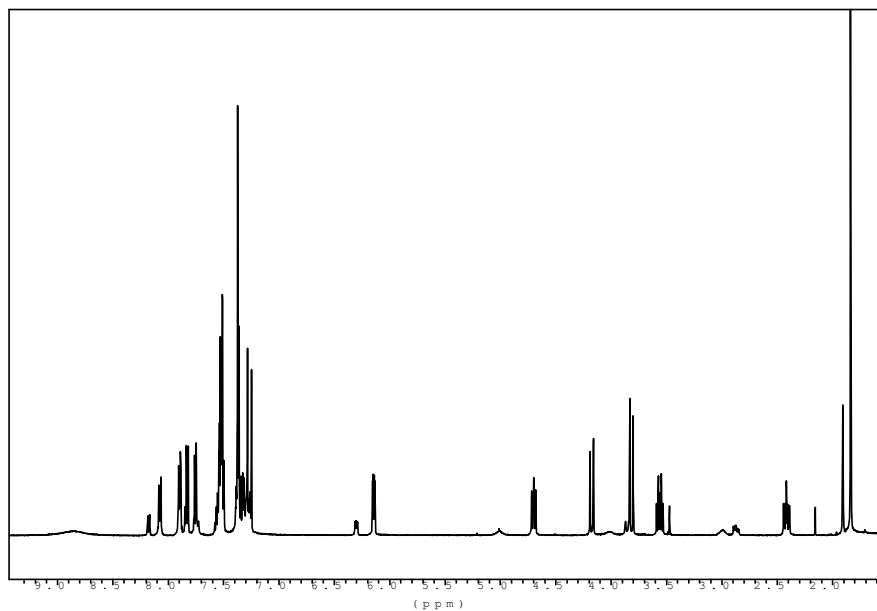


## HPLC

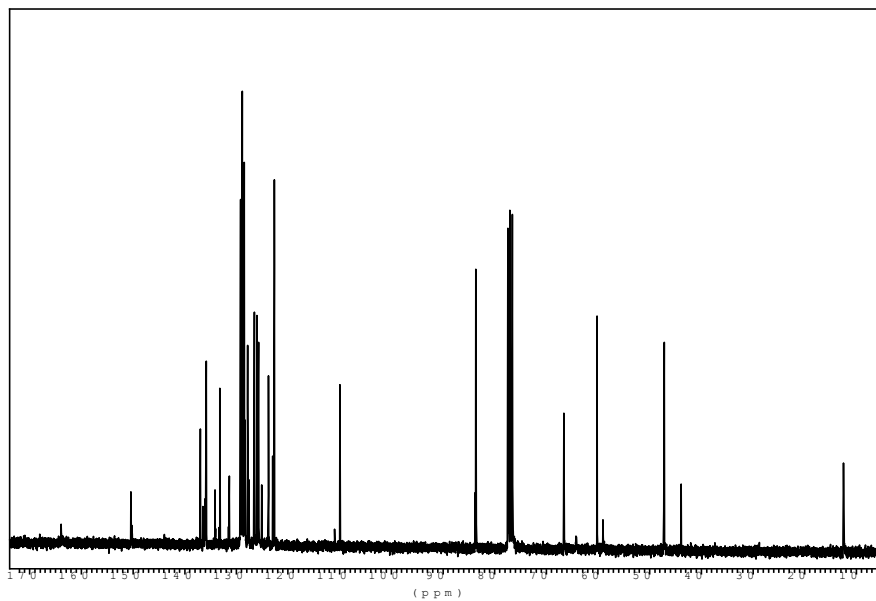


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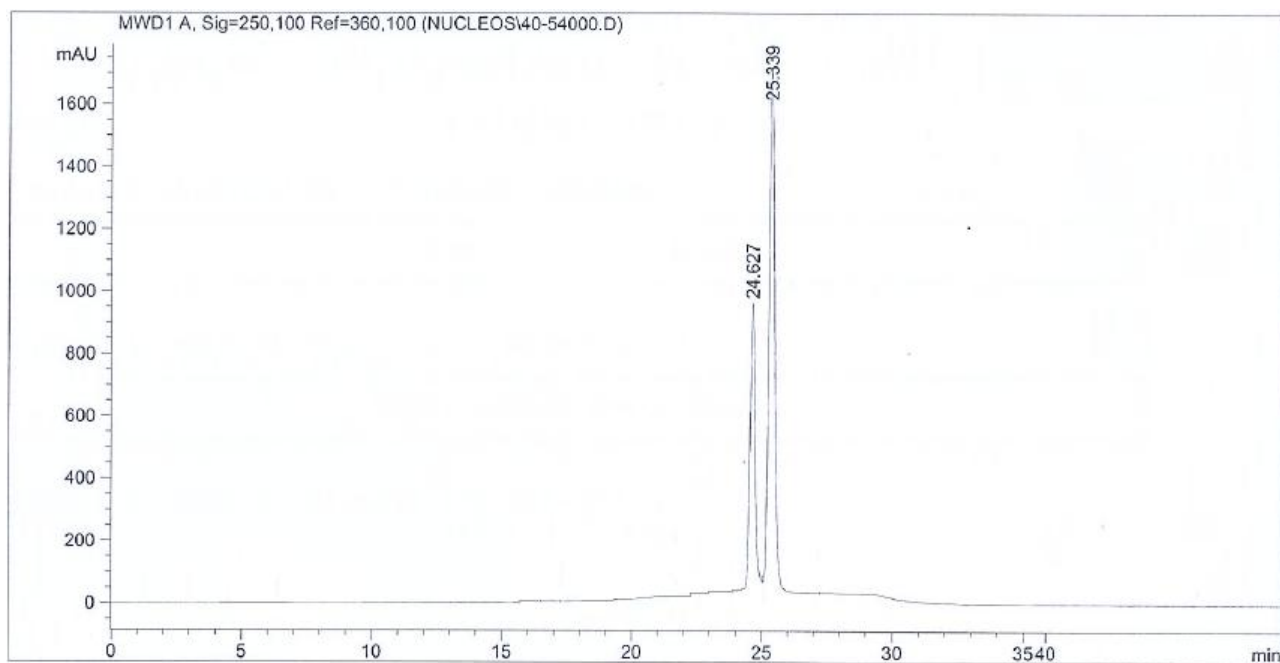
$^1\text{H}$  NMR (*cis* and *trans* mixture)



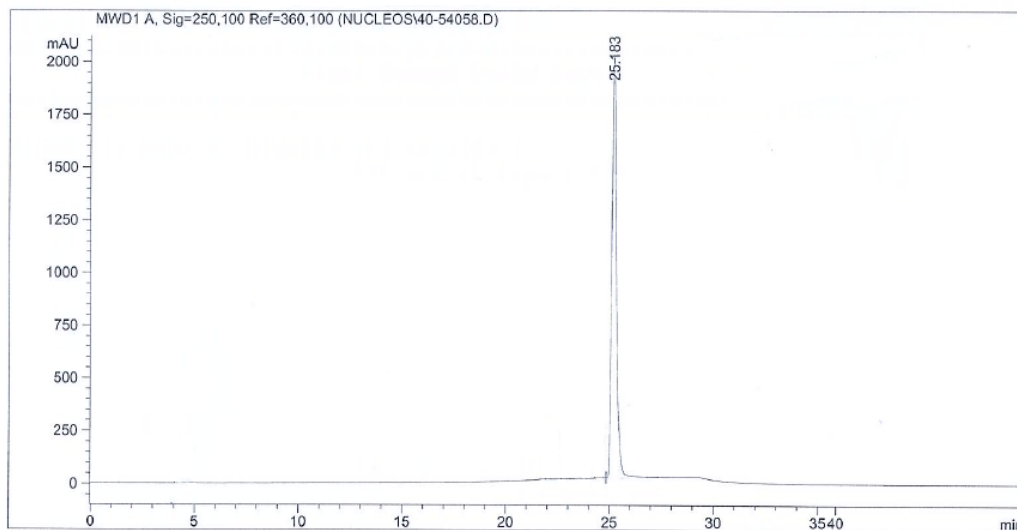
$^{13}\text{C}$  NMR (*cis* and *trans* mixture)



HPLC (*cis* and *trans* mixture)



### HPLC (*cis* isomer)



### Biological activity

