

Supplementary Material

Compound 7

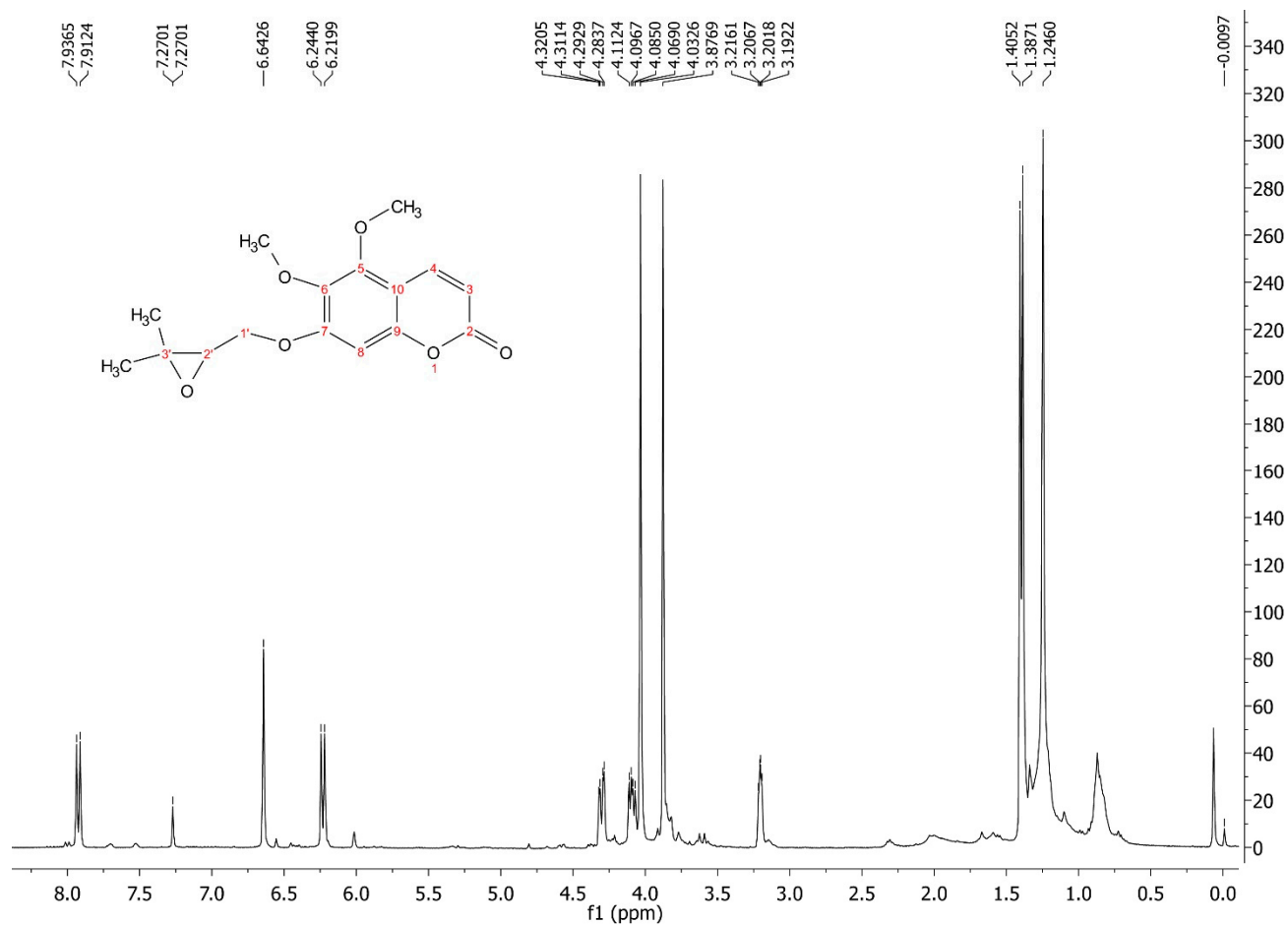


Figure S1. ¹H-NMR spectrum of 5,6-dimethoxy-7-(2',3'-epoxy-3'-methylbutyloxy)coumarin (7) (CDCl₃, 400 MHz).

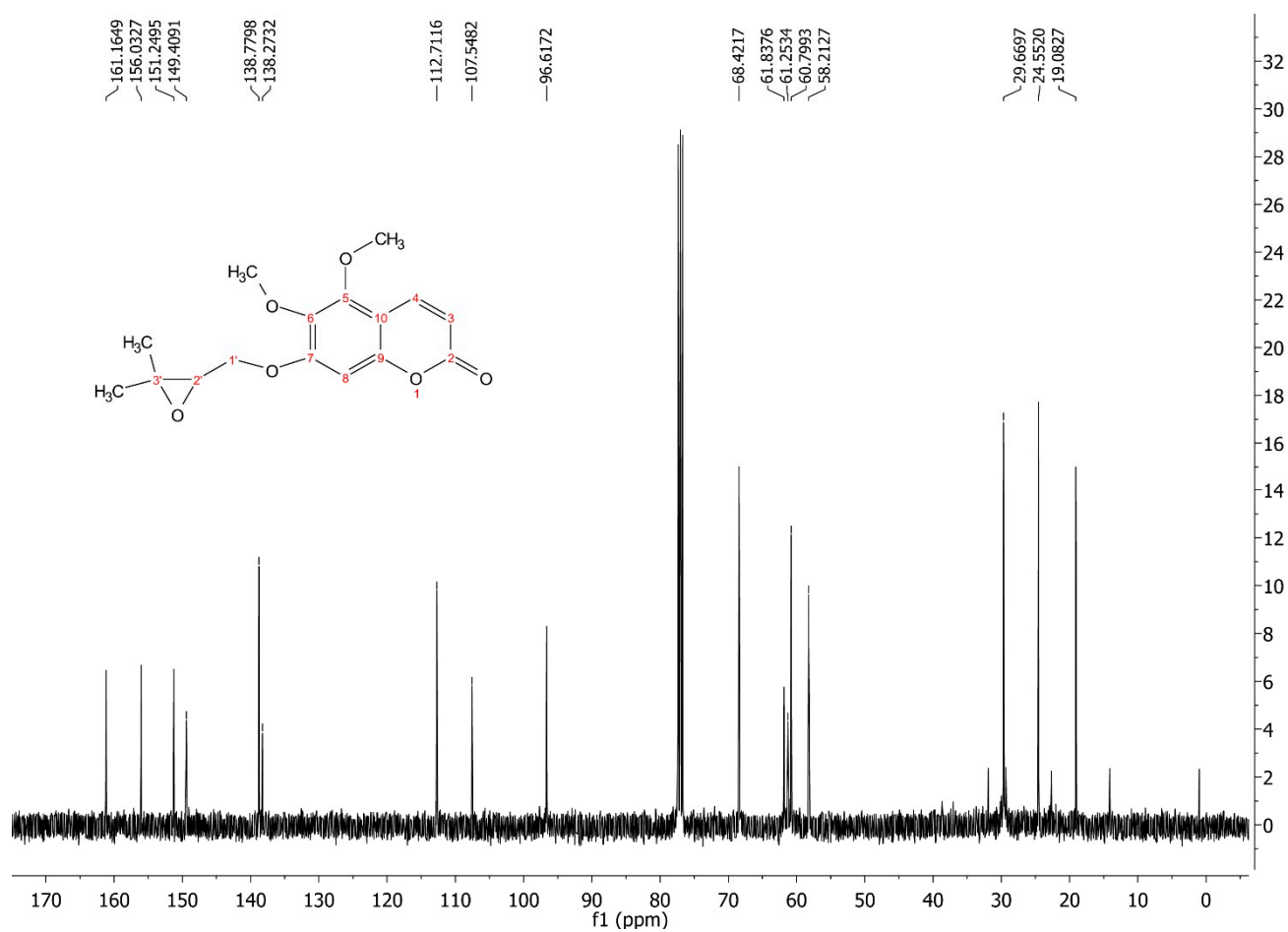


Figure S2. ¹³C-NMR spectrum of 5,6-dimethoxy-7-(2',3'-epoxy-3'-methylbutyloxy)coumarin (7) (CDCl₃, 100 MHz).

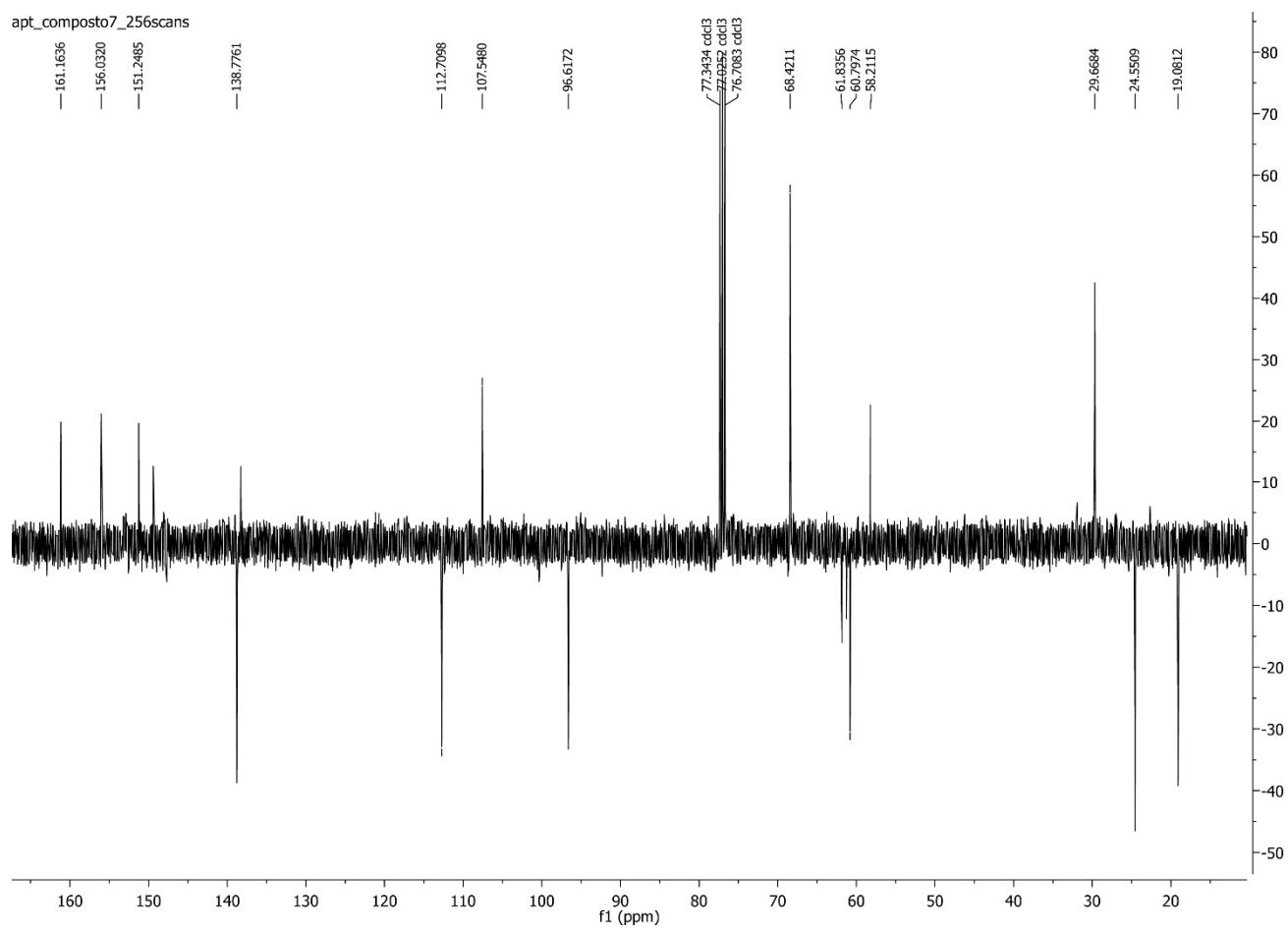


Figure S3. ^{13}C -APT NMR spectrum of 5,6-dimethoxy-7-(2',3'-epoxy-3'-methylbutyloxy) coumarin (**7**) (CDCl_3 , 100 MHz).

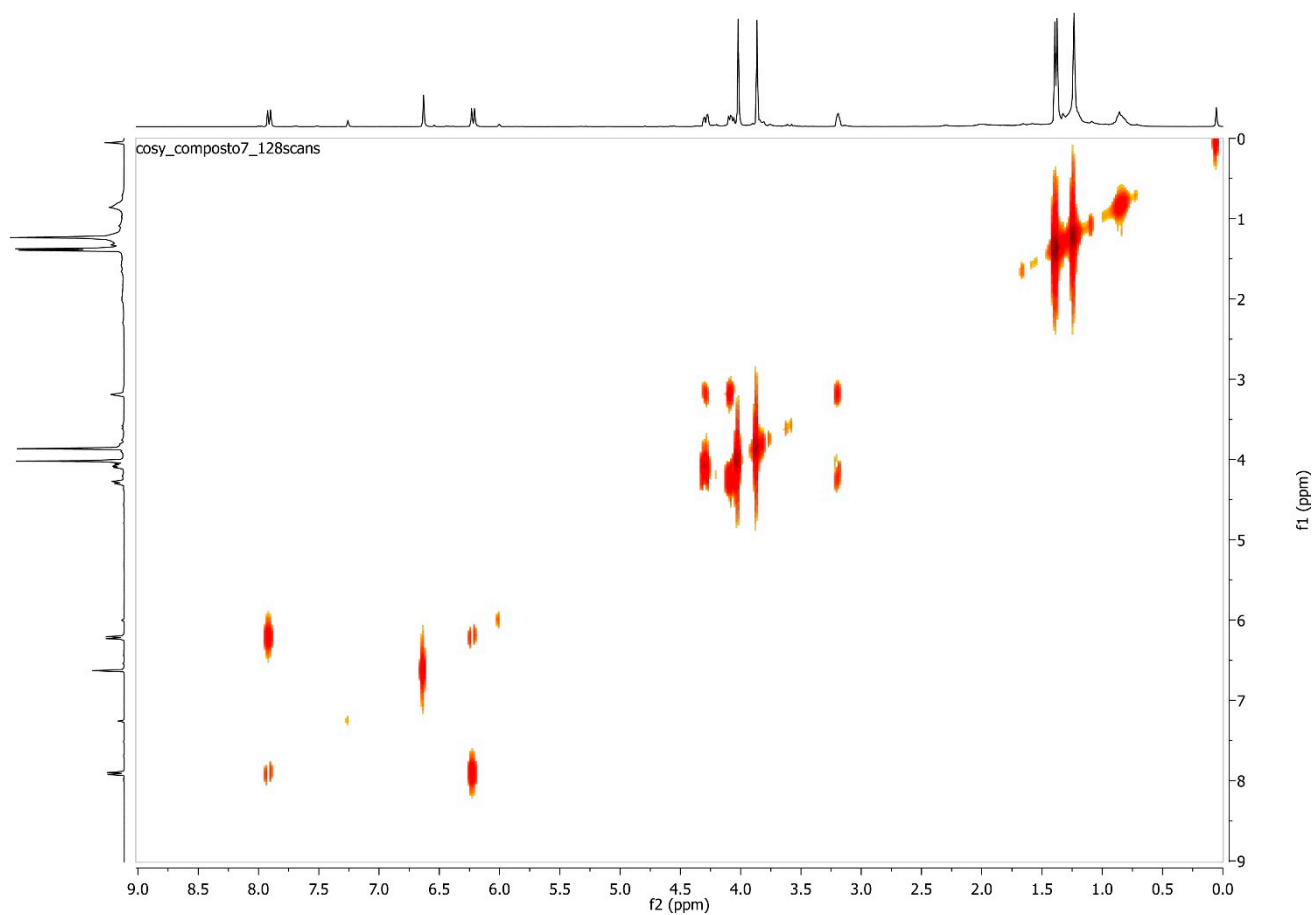


Figure S4. ^1H - ^1H COSY NMR spectrum of 5,6-dimethoxy-7-(2',3'-epoxy-3'-methylbutyloxy) coumarin (**7**) (CDCl_3 , 400 MHz).

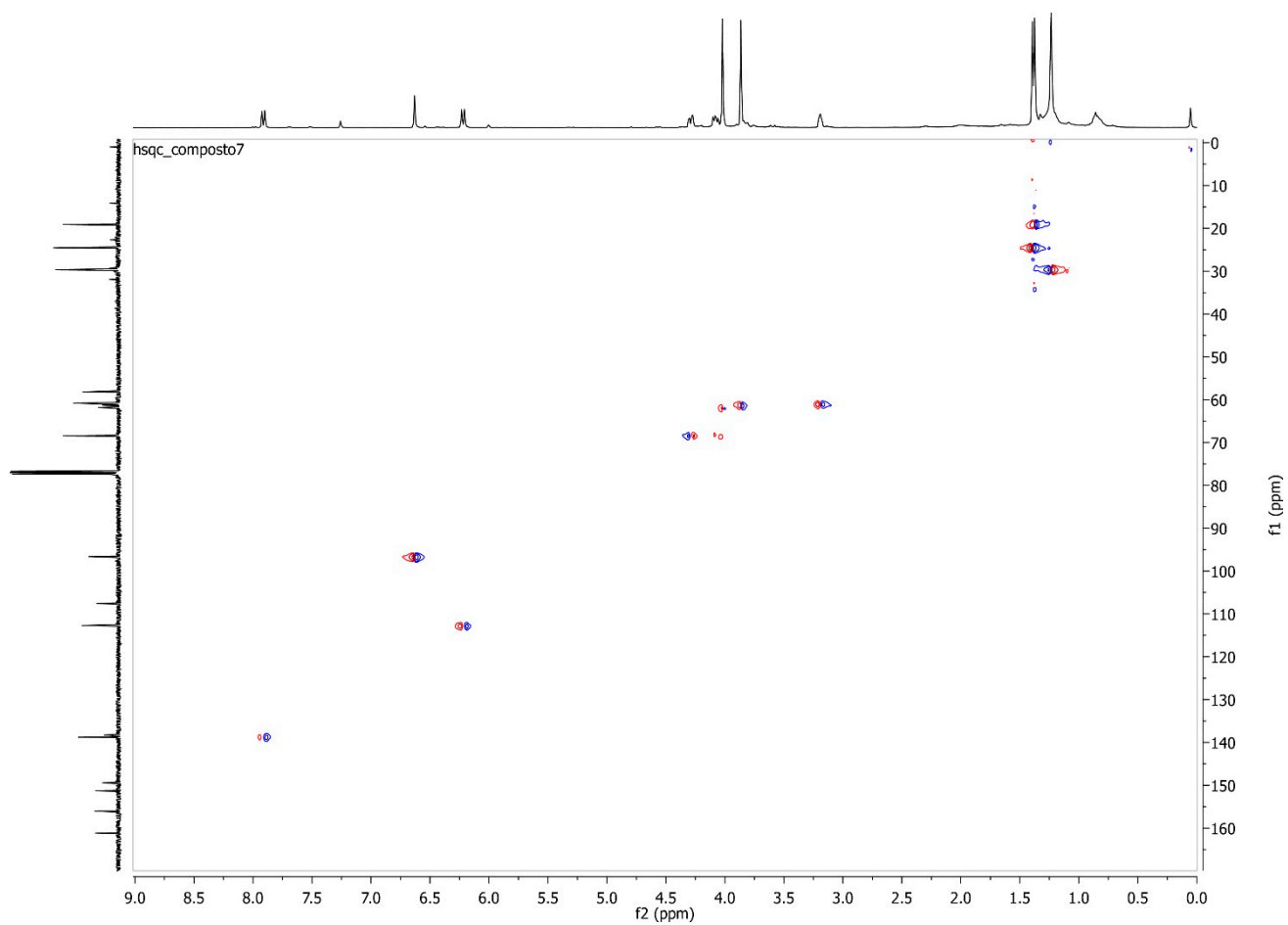


Figure S5. HSQC NMR spectrum of 5,6-dimethoxy-7-(2',3'-epoxy-3'-methylbutyloxy) coumarin (**7**) (CDCl₃, 400 × 100 MHz).

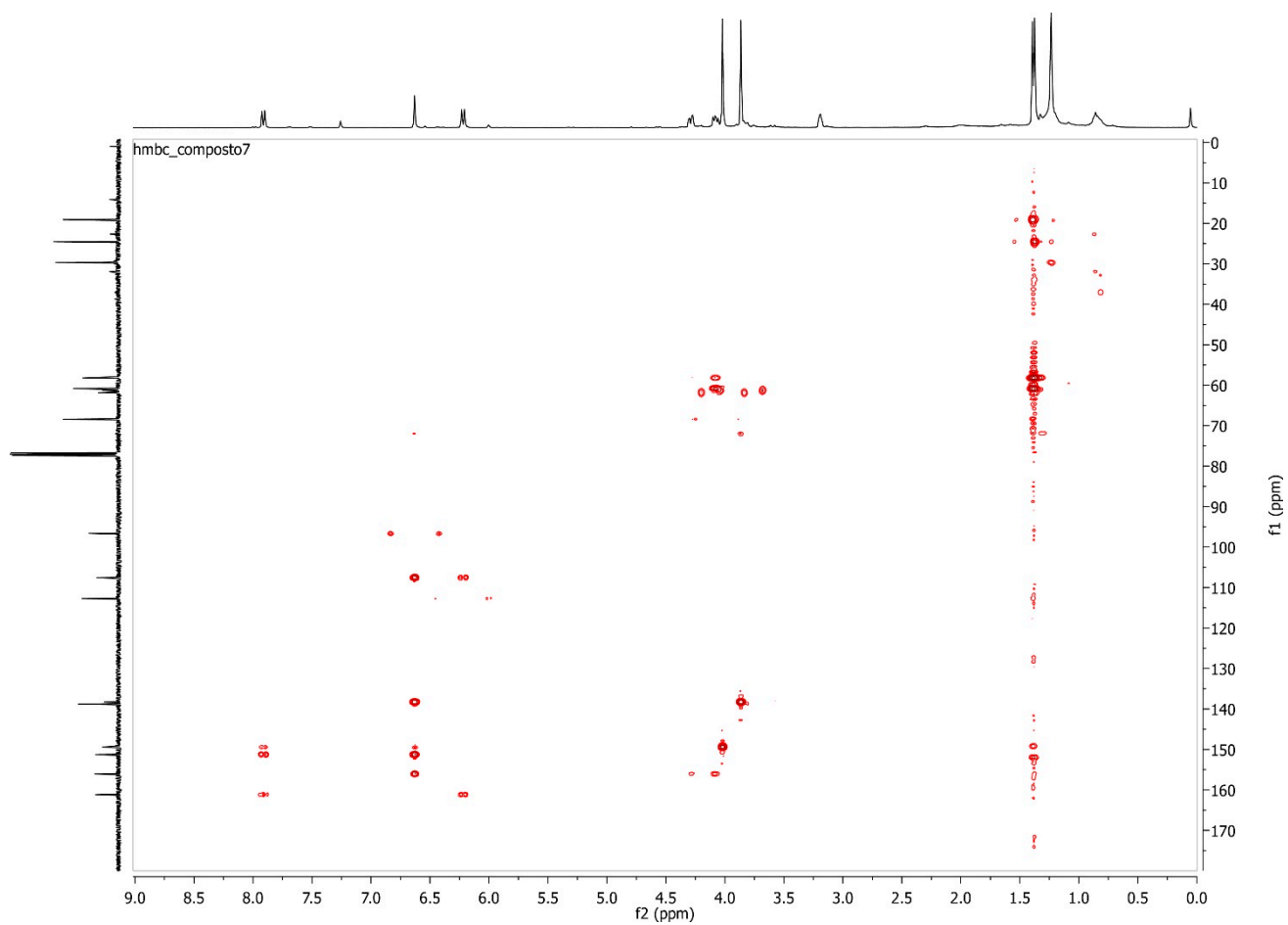


Figure S6. HMBC NMR spectrum of 5,6-dimethoxy-7-(2',3'-epoxy-3'-methylbutyloxy) coumarin (**7**) (CDCl₃, 400 × 100 MHz).

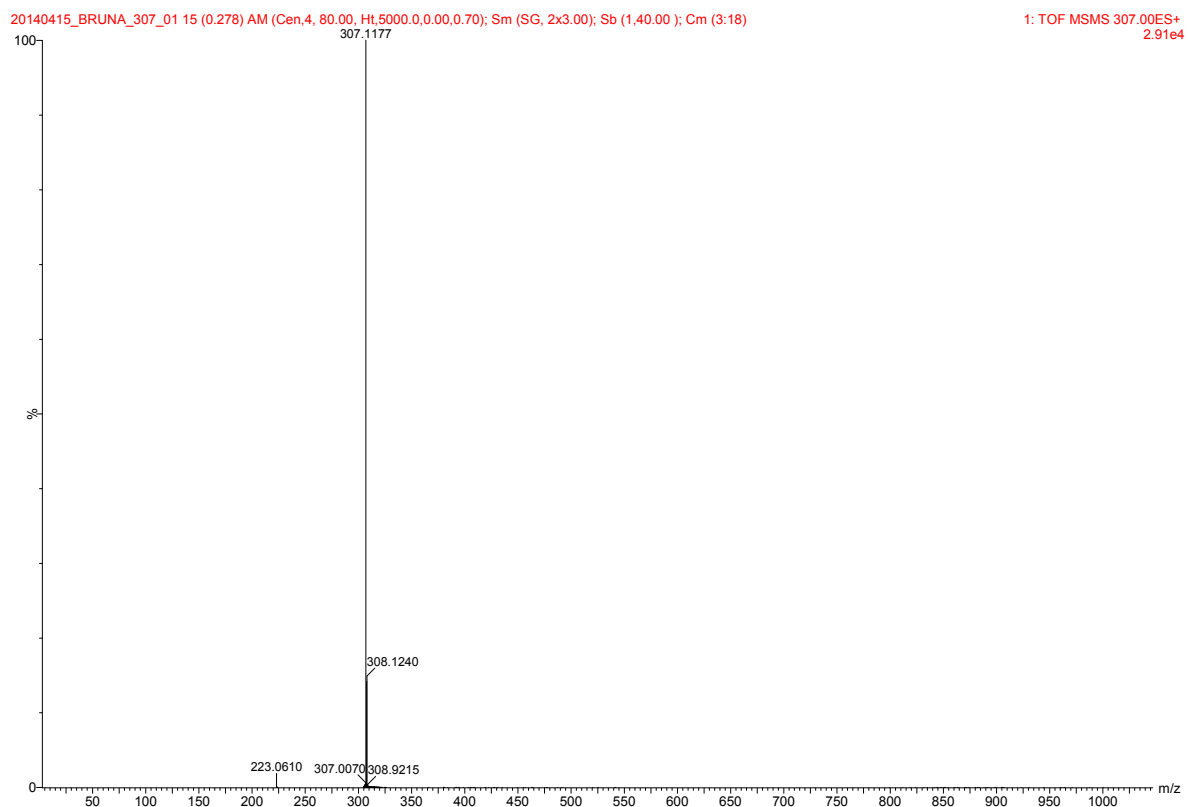


Figure S7. MS/MS spectrum of 5,6-dimethoxy-7-(2',3'-epoxy-3'-methylbutyloxy)coumarin (**7**).

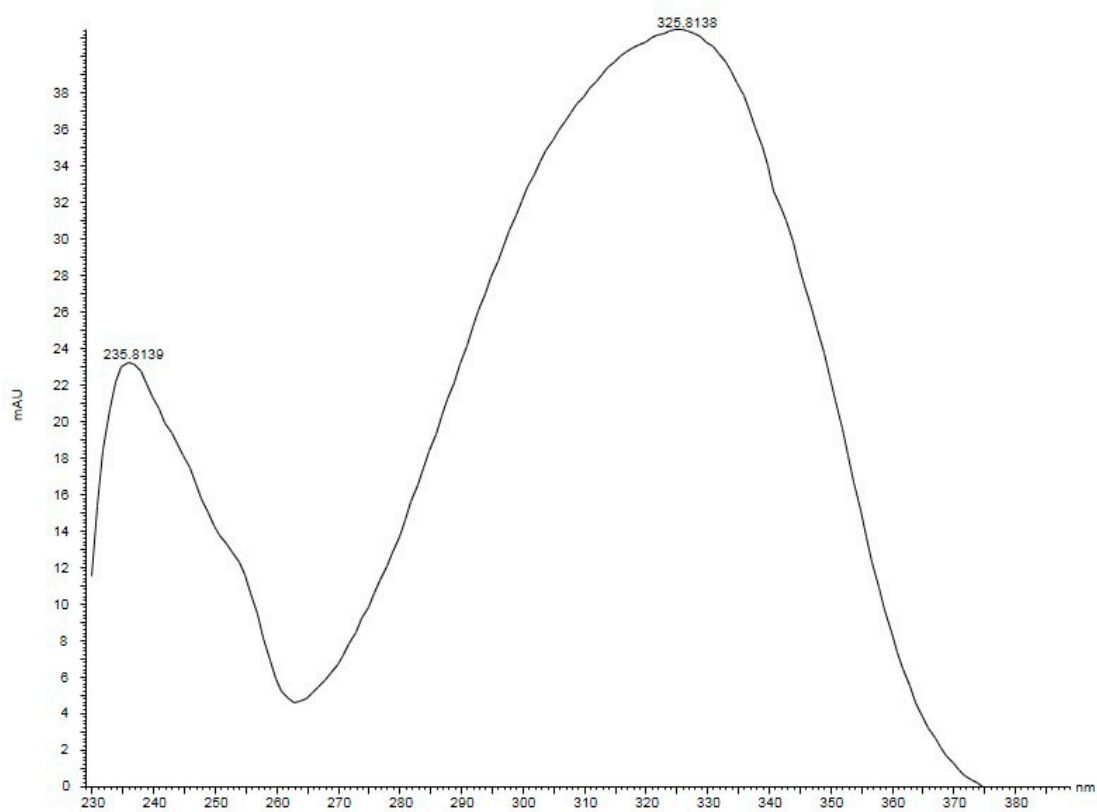


Figure S8. UV spectrum of 5,6-dimethoxy-7-(2',3'-epoxy-3'-methylbutyloxy)coumarin (**7**).

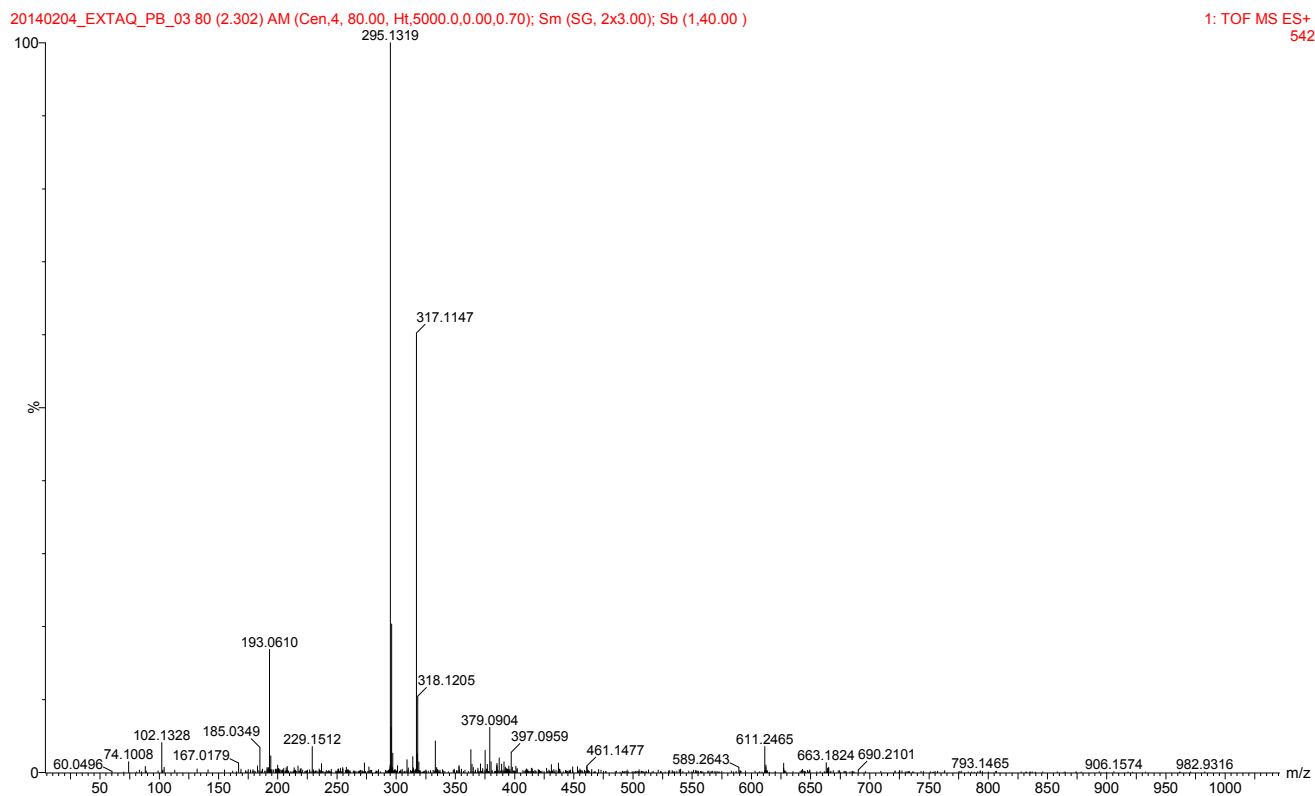


Figure S9. ESI-MS spectrum of 7-(2',3'-dihydroxy-3'-methylbutyloxy)-6-methoxycoumarin (**1**).

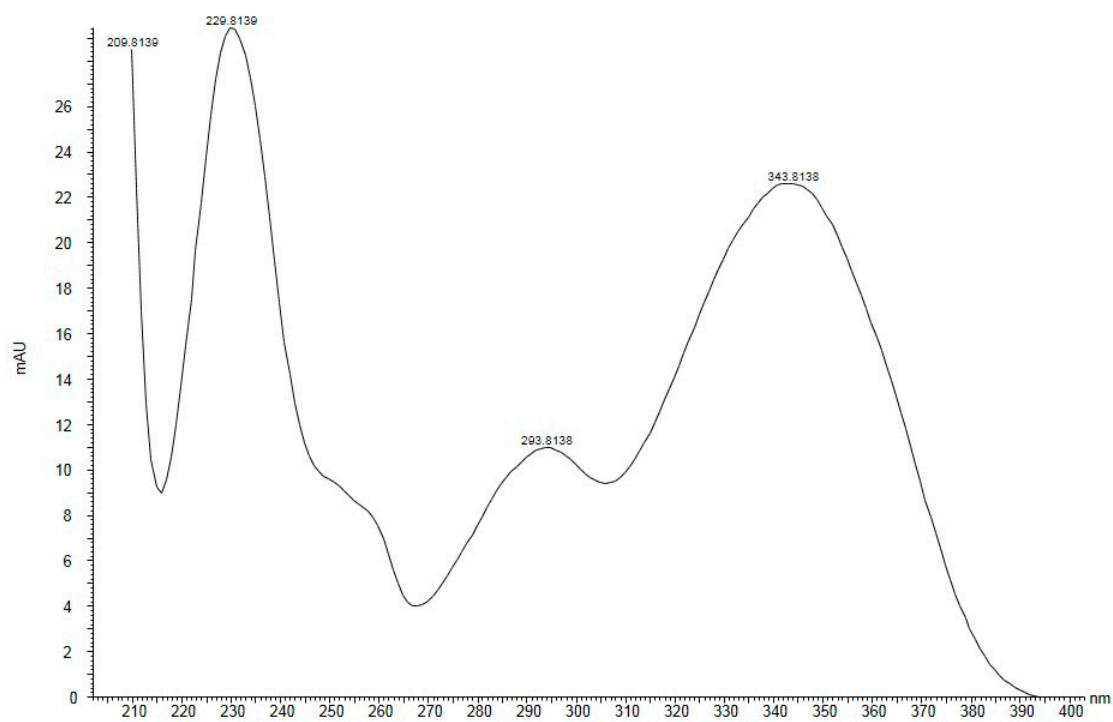


Figure S10. UV spectrum of 7-(2',3'-dihydroxy-3'-methylbutyloxy)-6-methoxycoumarin (**1**).

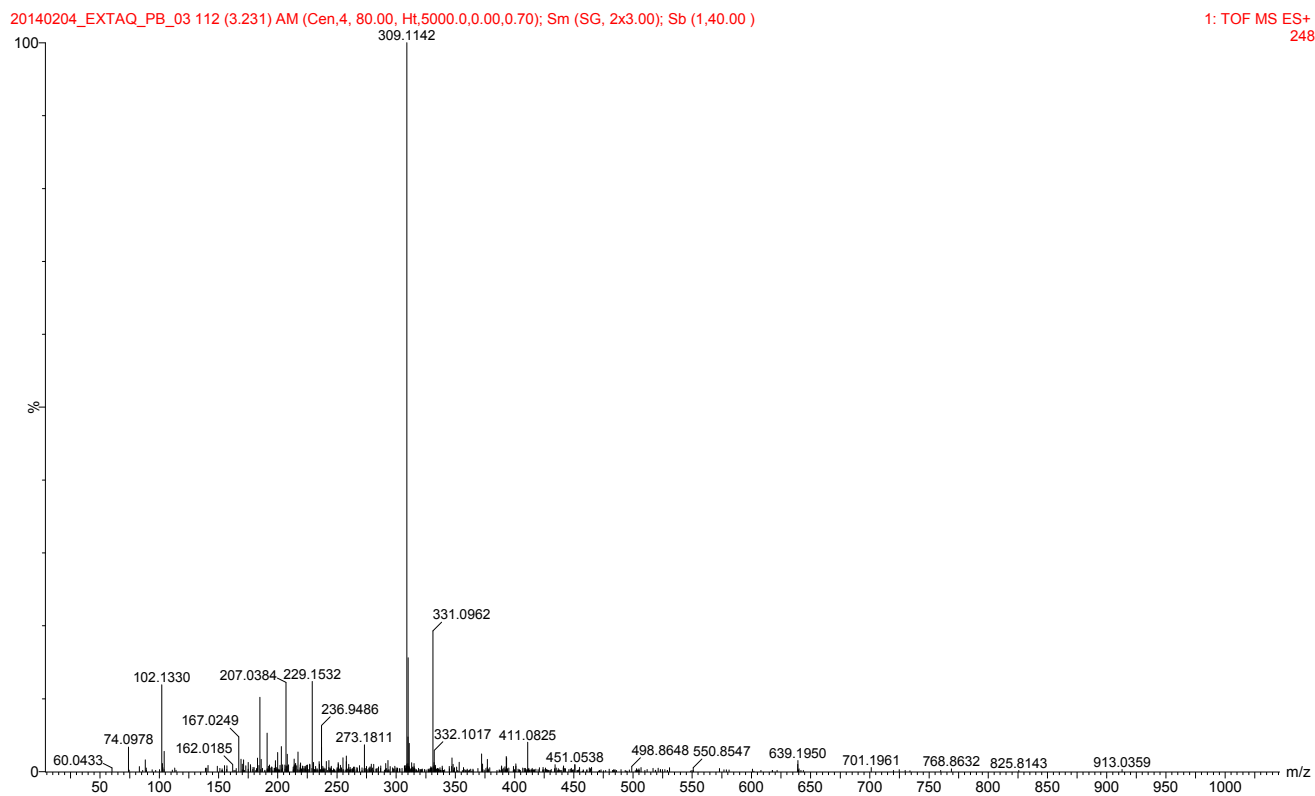


Figure S11. ESI-MS spectrum of 5-(2',3'-dihydroxy-3'-methylbutyloxy)-6,7-methylenedioxcoumarin (**2**).

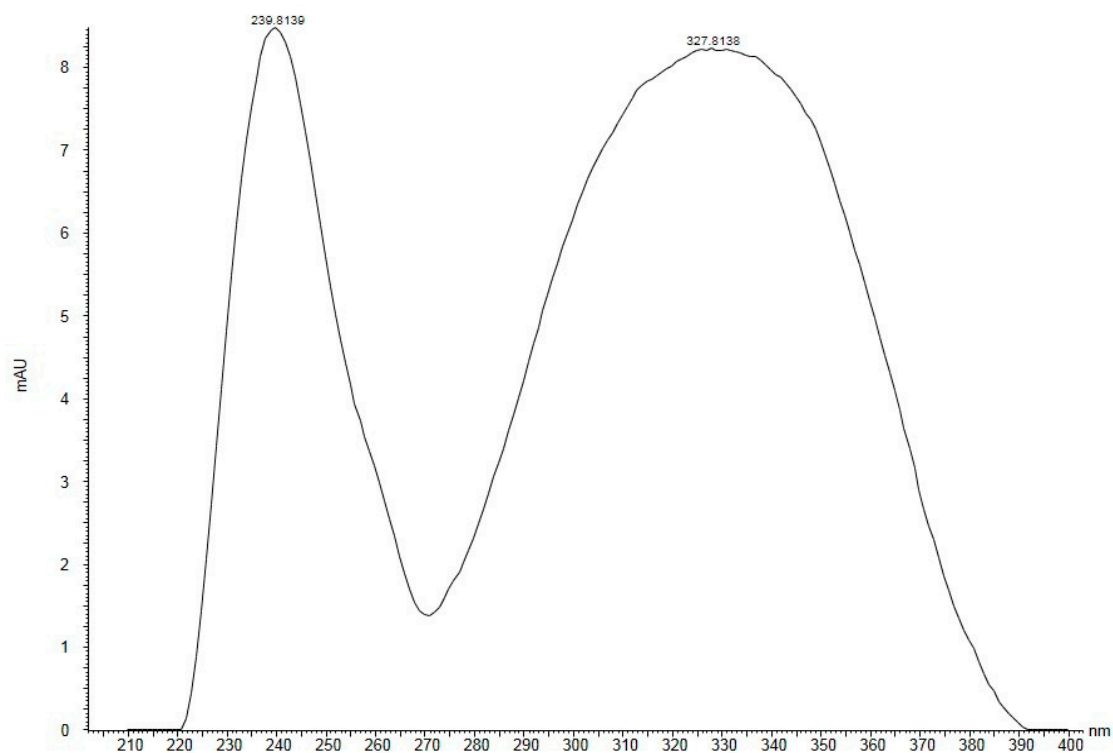


Figure S12. UV spectrum of 5-(2',3'-dihydroxy-3'-methylbutyloxy)-6,7-methylenedioxcoumarin (**2**).

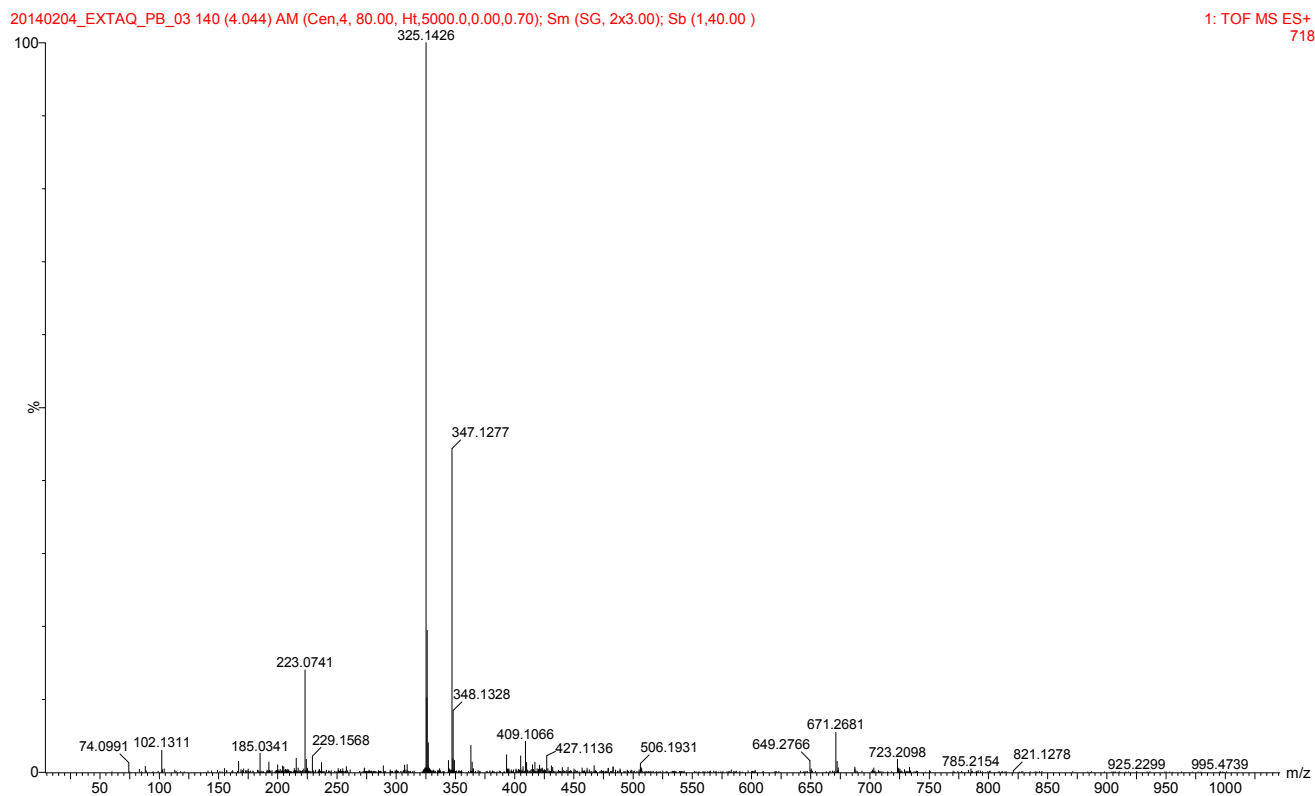


Figure S13. ESI-MS spectrum of 5,6-dimethoxy-7-(3'-methyl-2',3'-dihydroxybutyloxy) coumarin (**3**).

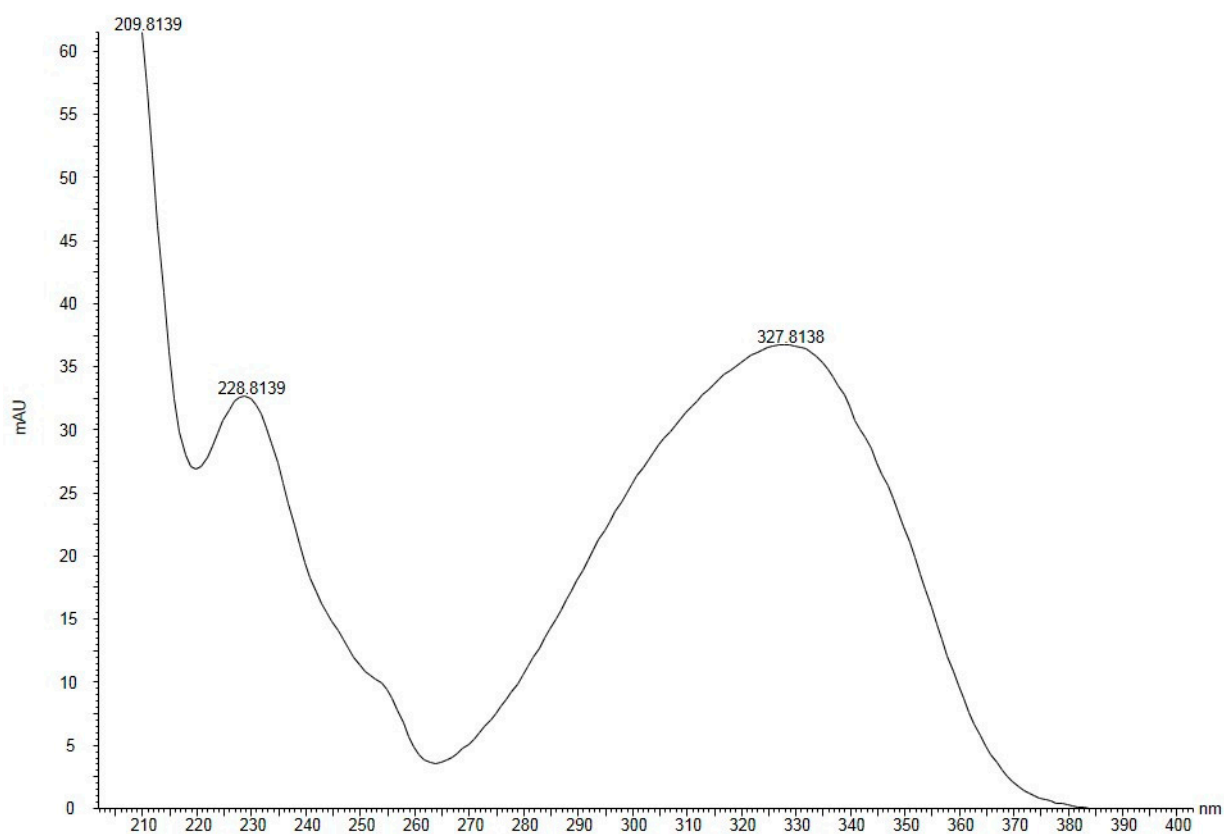


Figure S14. UV spectrum of 5,6-dimethoxy-7-(3'-methyl-2',3'-dihydroxybutyloxy) coumarin (**3**).

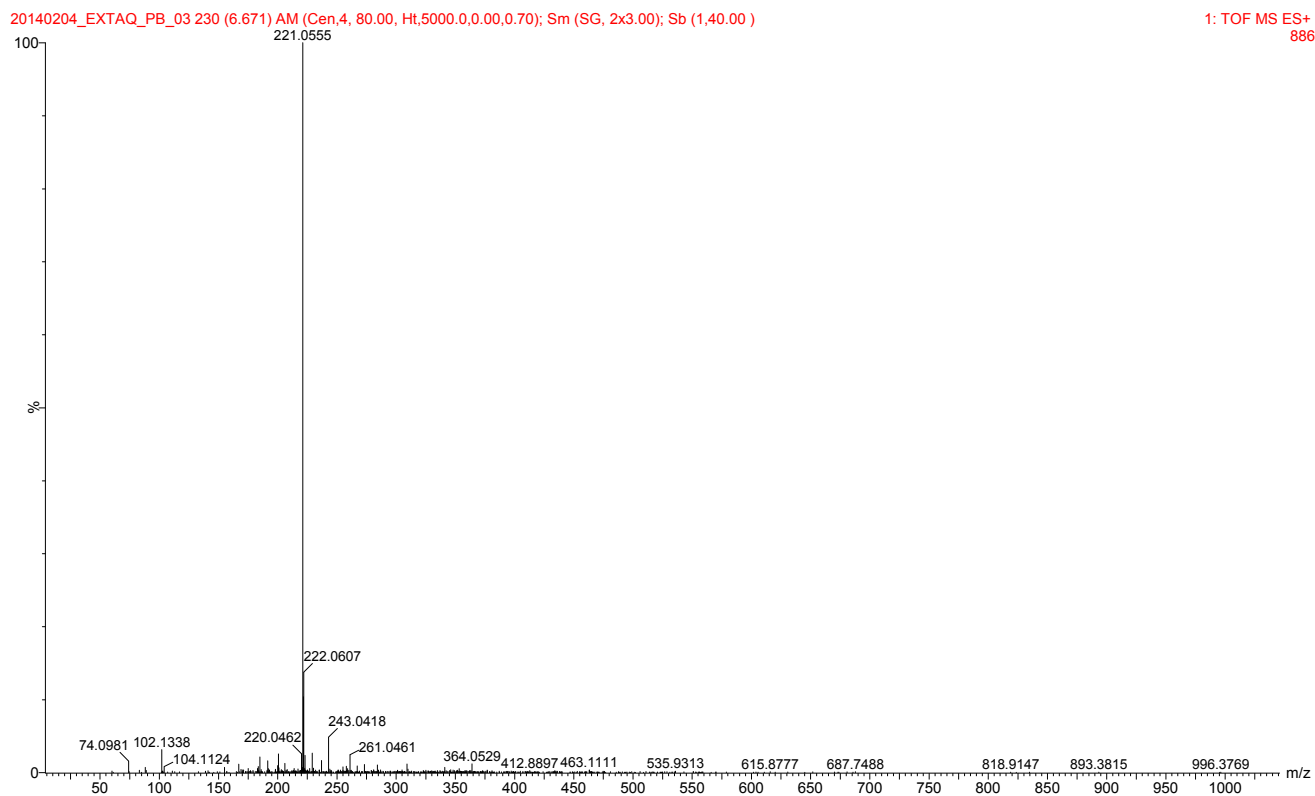


Figure S15. ESI-MS spectrum of 5-methoxy-6,7-methylenedioxcoumarin (**4**).

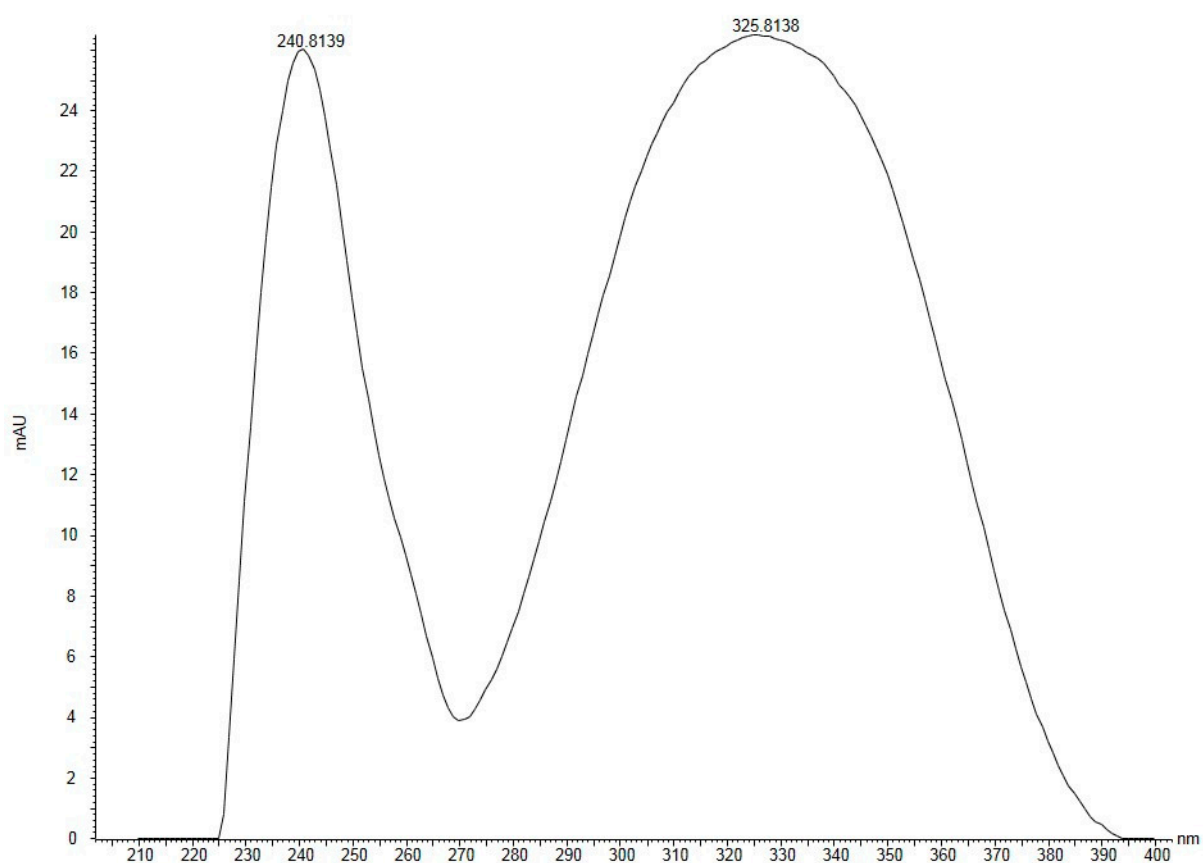


Figure S16. UV spectrum of 5-methoxy-6,7-methylenedioxy coumarin (**4**).

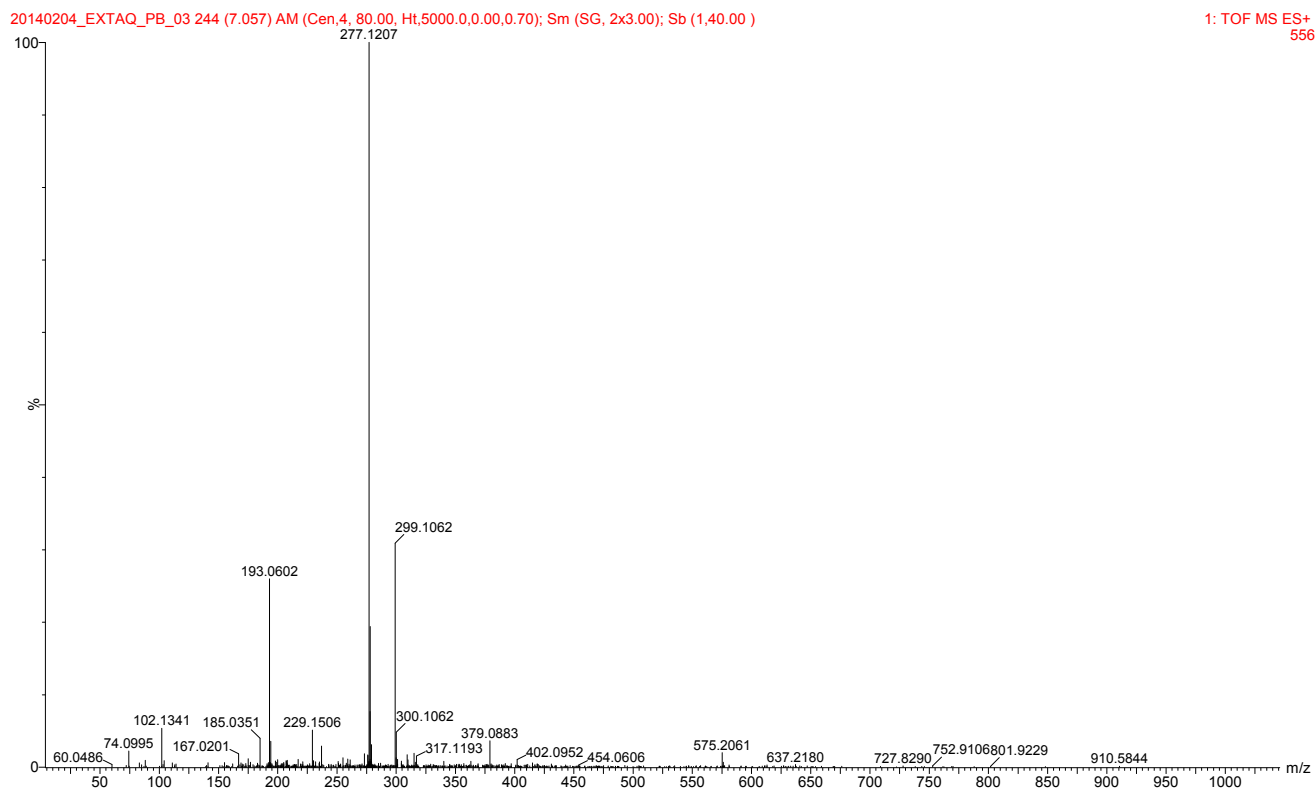


Figure S17. ESI-MS spectrum of 7-(2',3'-epoxy-3'-methyl-3'-butyloxy)-6-methoxycoumarin (**5**).

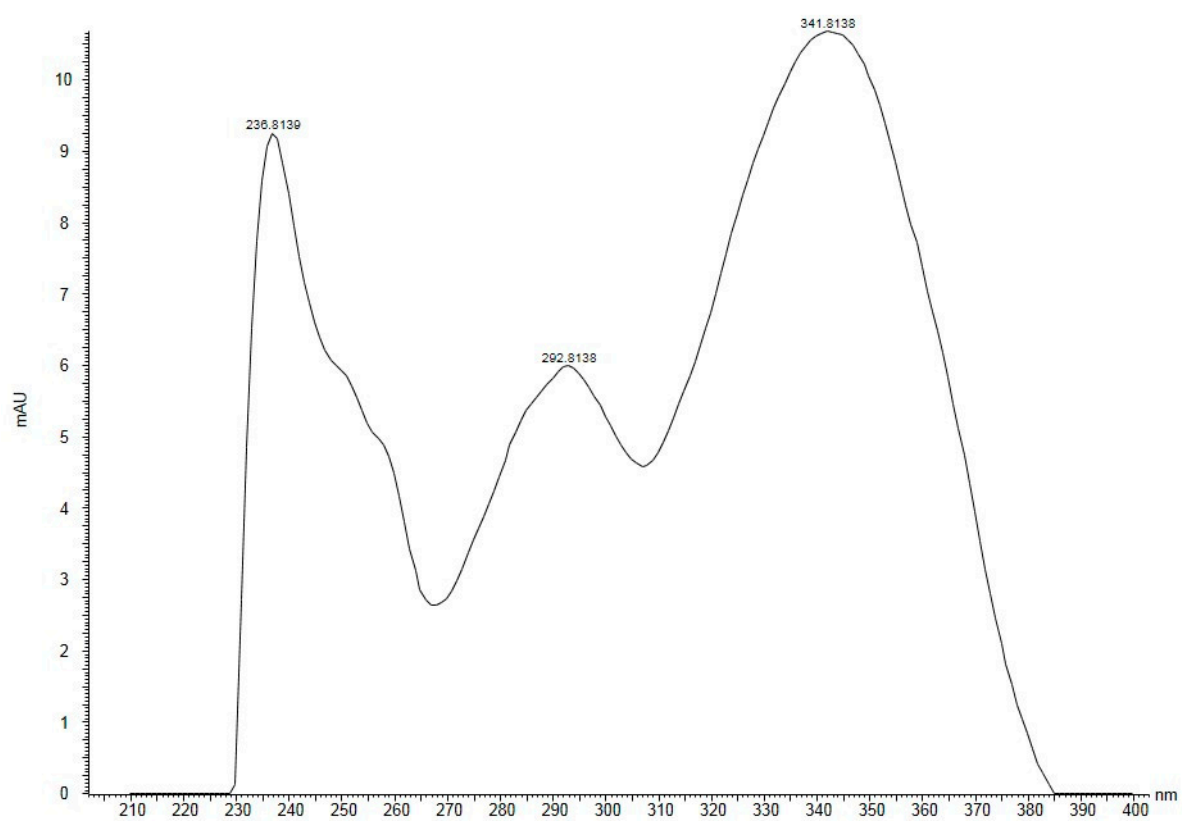


Figure S18. UV spectrum of 7-(2',3'-epoxy-3'-methyl-3'-butyloxy)-6-methoxycoumarin (**5**).

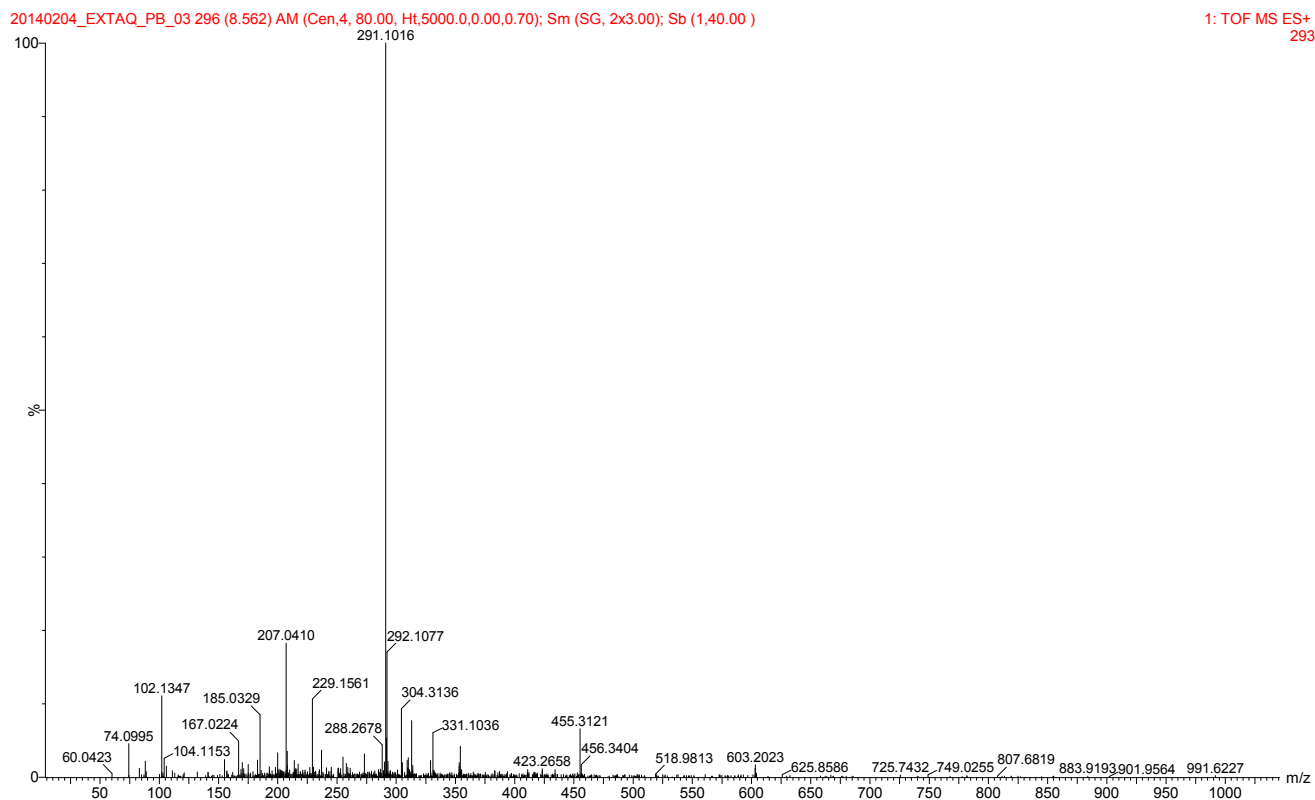


Figure S19. ESI-MS spectrum of 5-(2',3'-epoxy-3'-methylbutyloxy)-6,7-methylenedioxcoumarin (**6**).

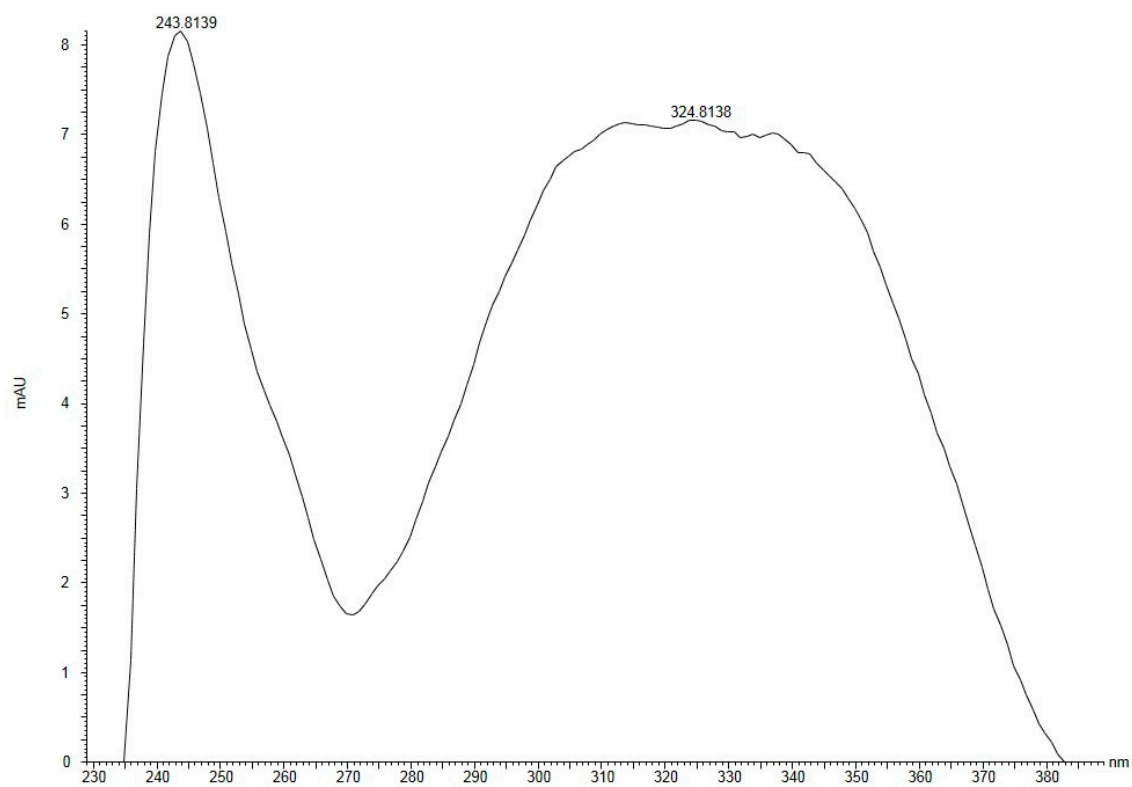


Figure S20. UV spectrum of 5-(2',3'-epoxy-3'-methylbutyloxy)-6,7-methylenedioxy coumarin (**6**).