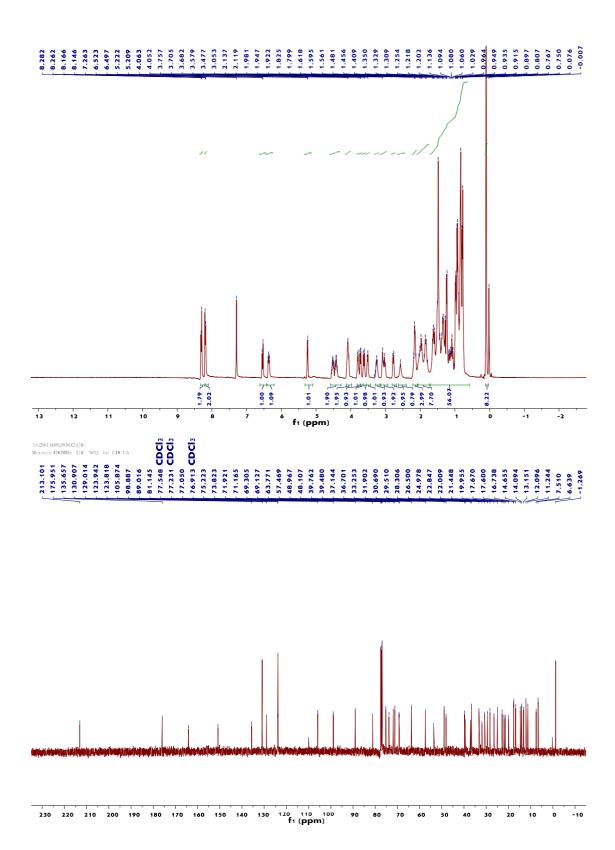
## Synthesis and biological activities evaluation of 20-episalinomycin and its 20-O-acyl derivatives

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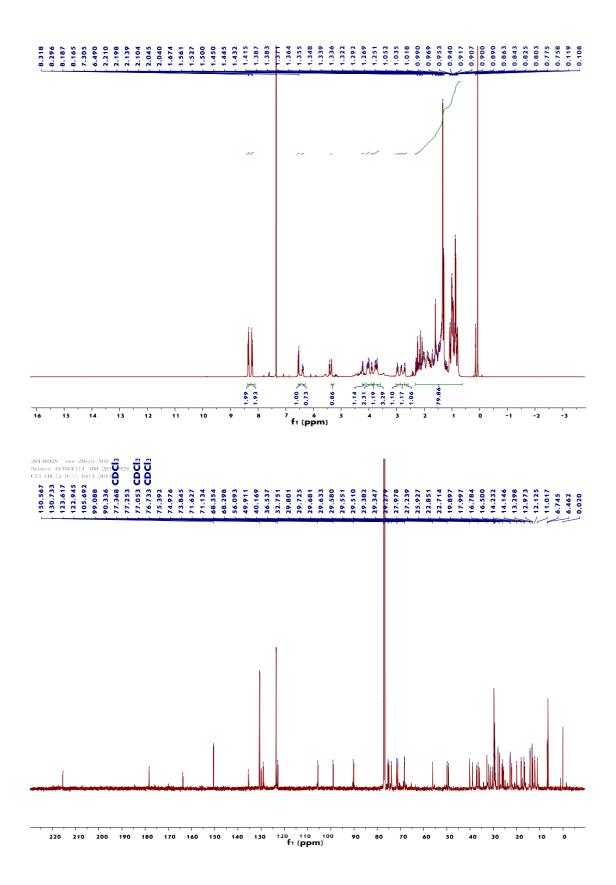
\*email: ws@imm.ac.cn

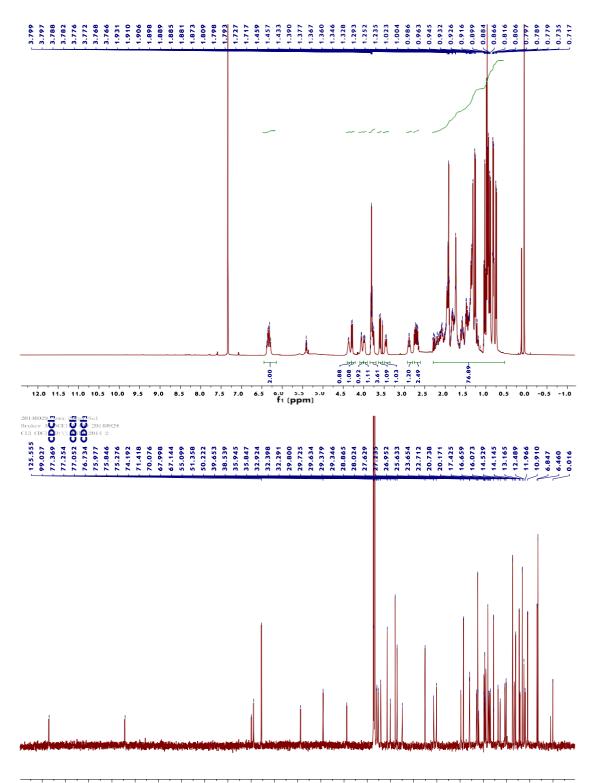
## <sup>1</sup>H and <sup>13</sup>C NMR spectra

<sup>1</sup>H and <sup>13</sup>C NMR spectra were recorded on Varian Mercury 400 MHz, and the data were recorded with CDCl<sub>3</sub> as the solvent. Chemical shifts ( $\delta$ ) were reported in ppm downfield from an internal TMS standard. High-resolution mass spectra were obtained in the ESI mode.



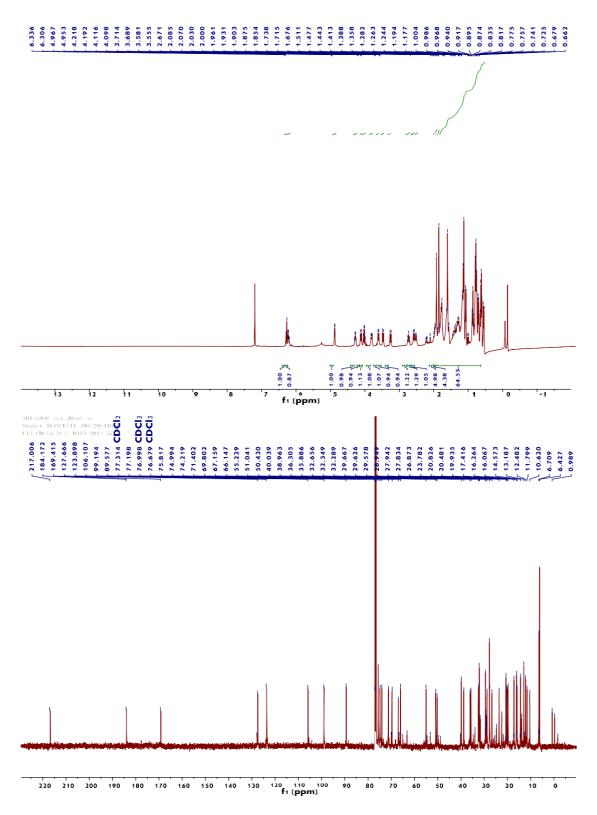
20-epi-O-p-nitrobenzoylated salinomycin TMSEt-ester 5

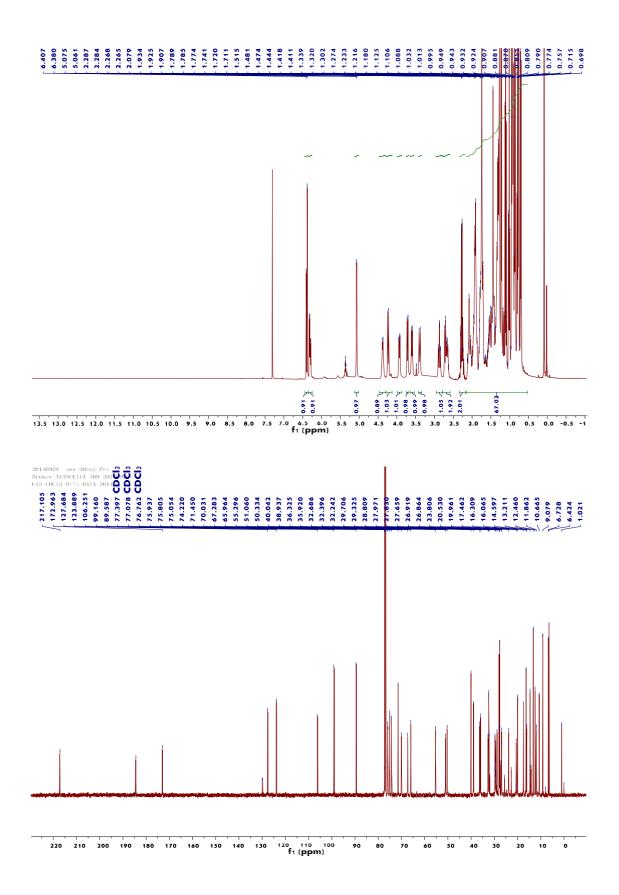




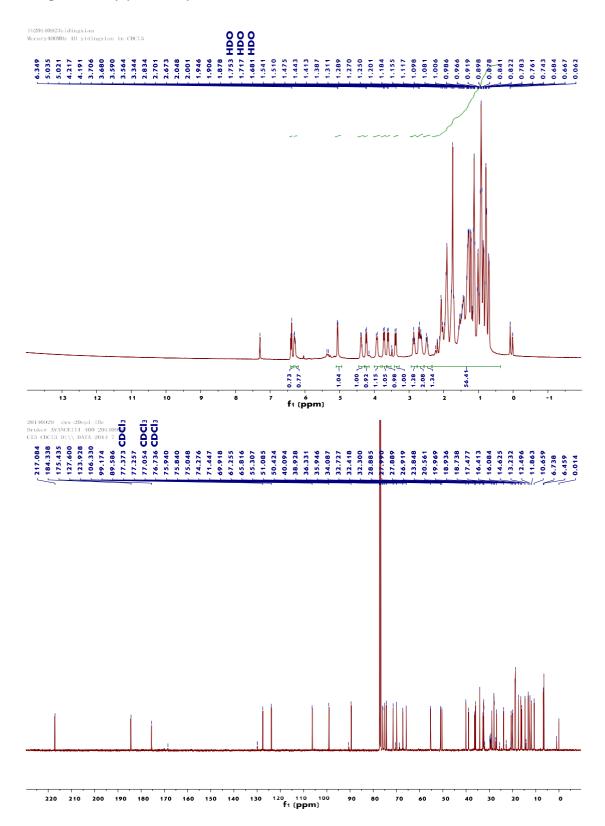
## 20-epi-salinomycin sodium salt 9

220 210 200 190 180 170 160 150 140 130 <sup>120</sup> 110 <sup>100</sup> 90 80 70 60 50 40 30 20 10 0 f1 (**ppm**) 20-epi-O-acetylated salinomycin sodium salt 9a





## 20-epi-O-isobutyryl salinomycin sodium salt 9c



20-epi-O-benzoylated salinomycin sodium salt 9d

