

## Supplementary Material

### **Synthesis and Characterization of Two Chiral Pyrrolyl $\alpha$ -Nitronyl Nitroxide Radicals and Determination of their Cytotoxicity and Radioprotective Properties in C6 Cells and Mice under Ionizing Radiation**

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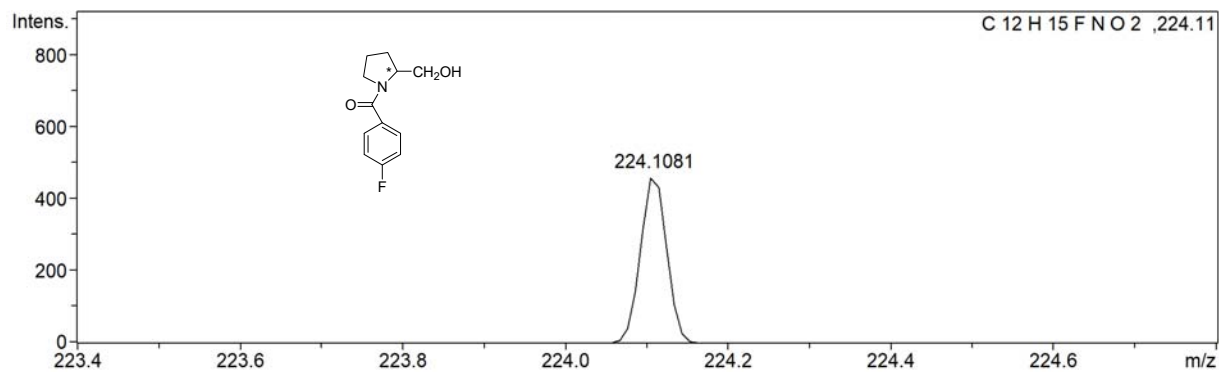
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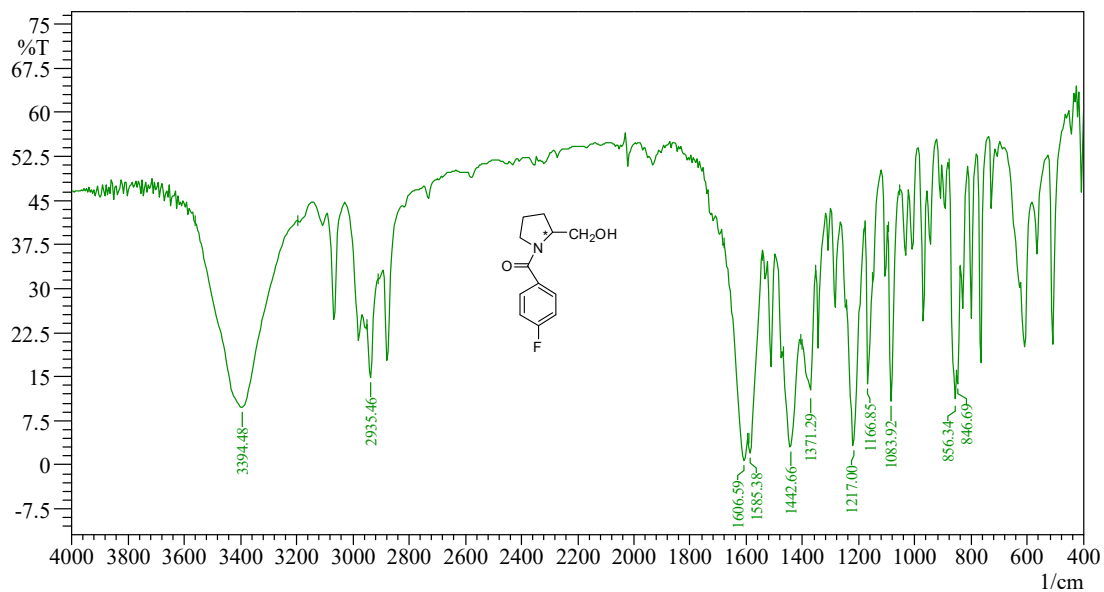
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### <sup>1</sup>H-NMR, MS and IR spectra of compounds



**Fig. S1** The HRMS-ESI spectra of compound L11



**Fig. S2** The IR spectra of compound L11



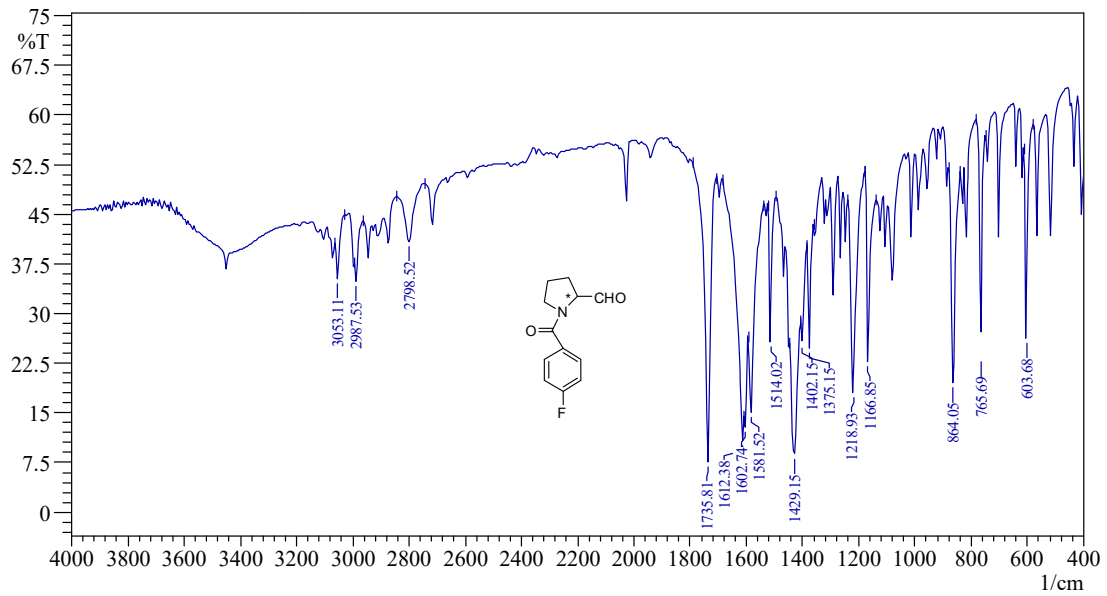


Fig. S5 The IR spectra of compound L12

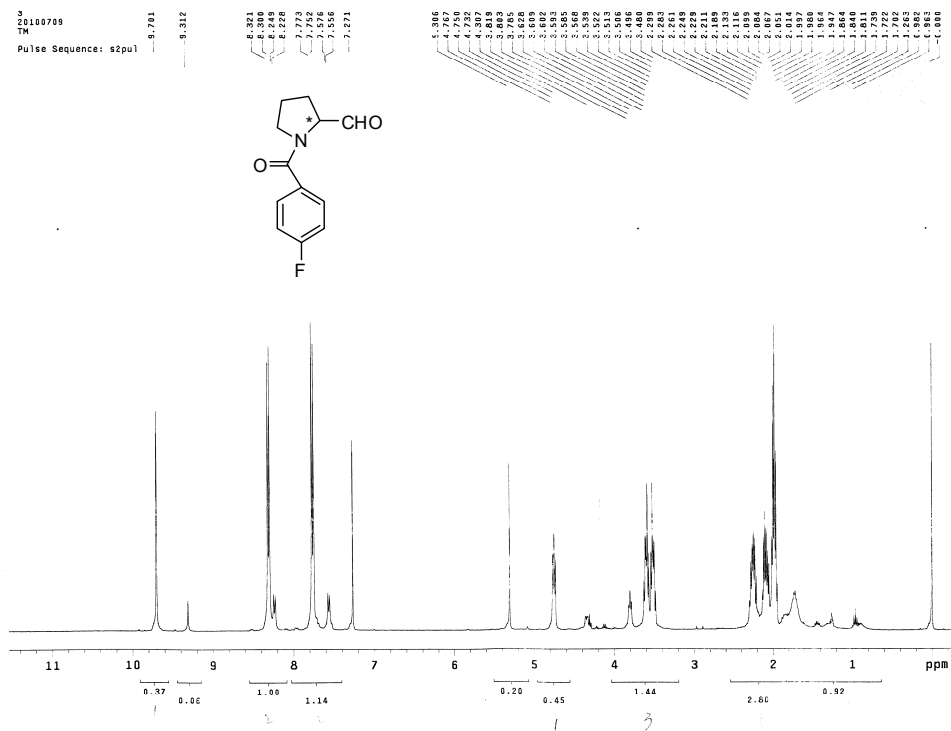
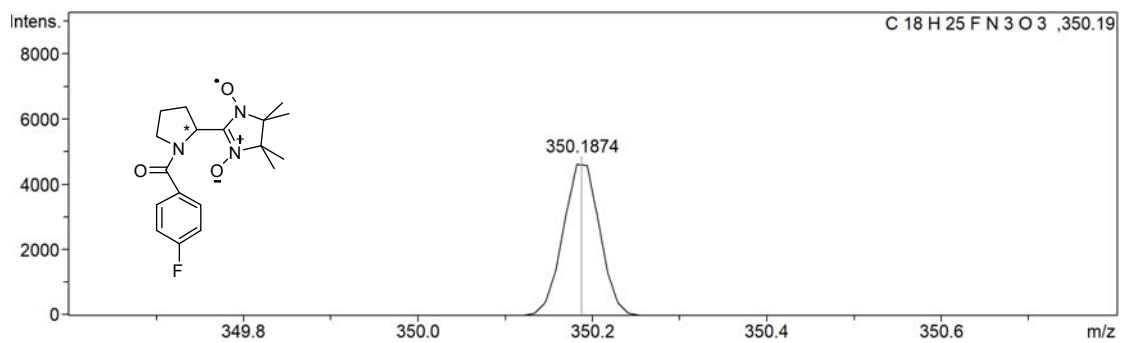
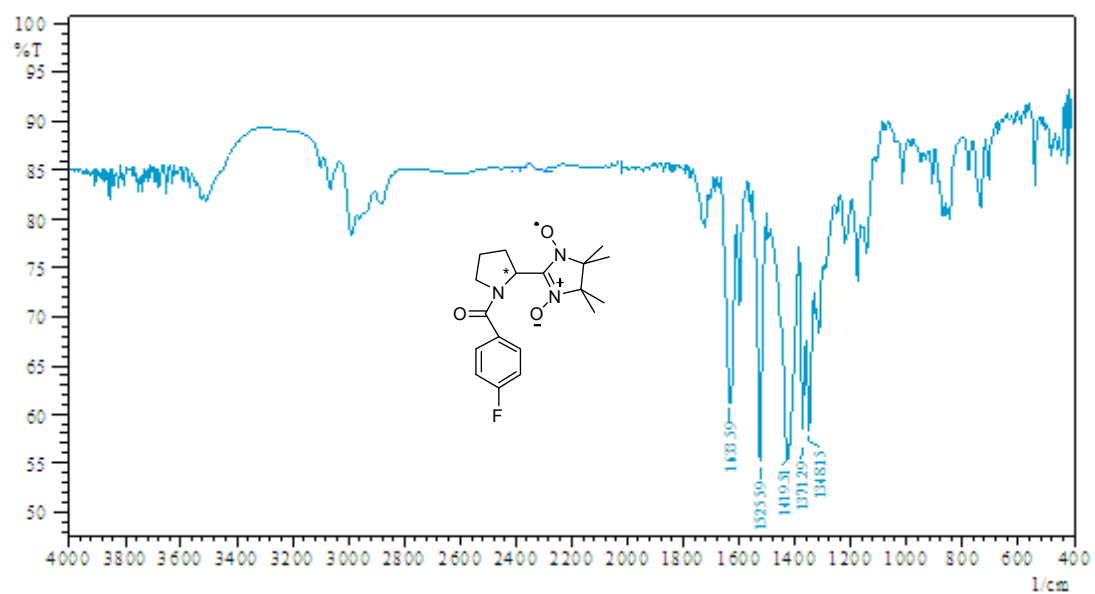


Fig. S6 The <sup>1</sup>H NMR spectra of compound L12



**Fig. S7** The HRMS-ESI spectra of compound L1



**Fig. S8** The IR spectra of compound L1