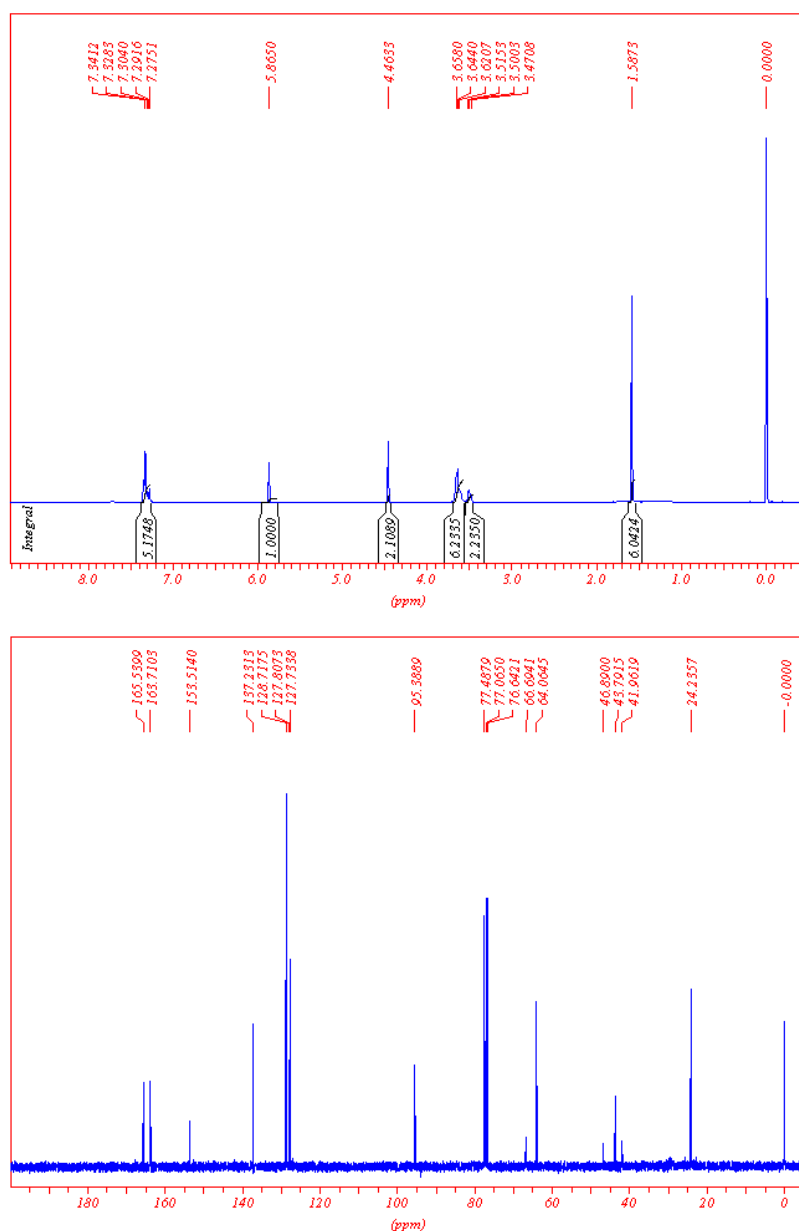
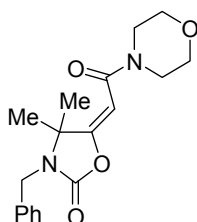


# Supplementary Materials: Auto-Tandem Catalysis in Ionic Liquids: Synthesis of 2-Oxazolidinones by Palladium-Catalyzed Oxidative Carbonylation of Propargylic Amines in EmimEtSO<sub>4</sub>

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**Figure S1.** (E)-3-Benzyl-4,4-dimethyl-5-(2-morpholin-4-yl-2-oxoethylidene)oxazolidin-2-one (3aa-E). Top: <sup>1</sup>H-NMR (CDCl<sub>3</sub>); bottom: <sup>13</sup>C-NMR (CDCl<sub>3</sub>).

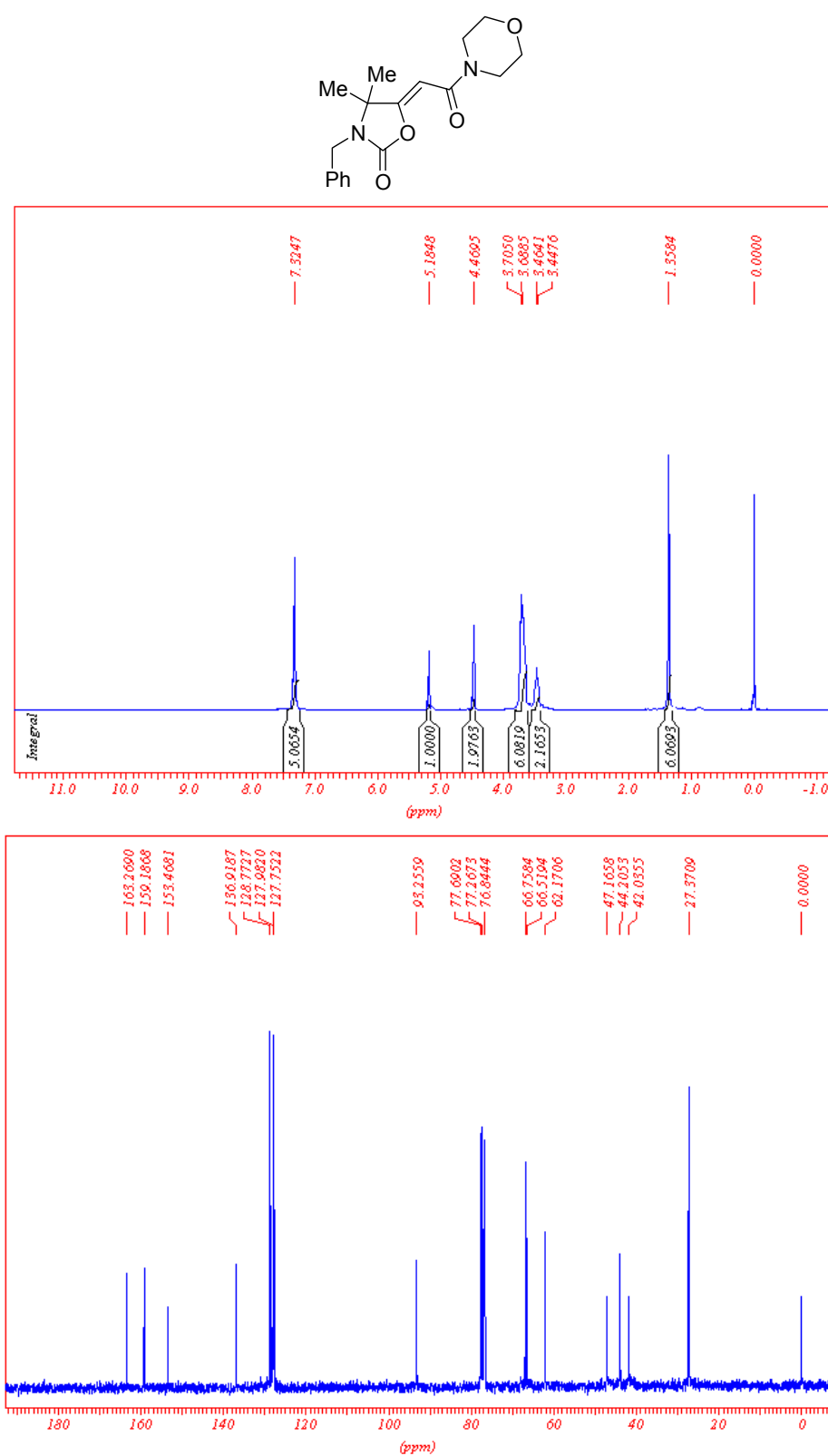


Figure S2. (Z)-3-Benzyl-4,4-dimethyl-5-(2-morpholin-4-yl-2-oxoethylidene)oxazolidin-2-one (3aa-Z).

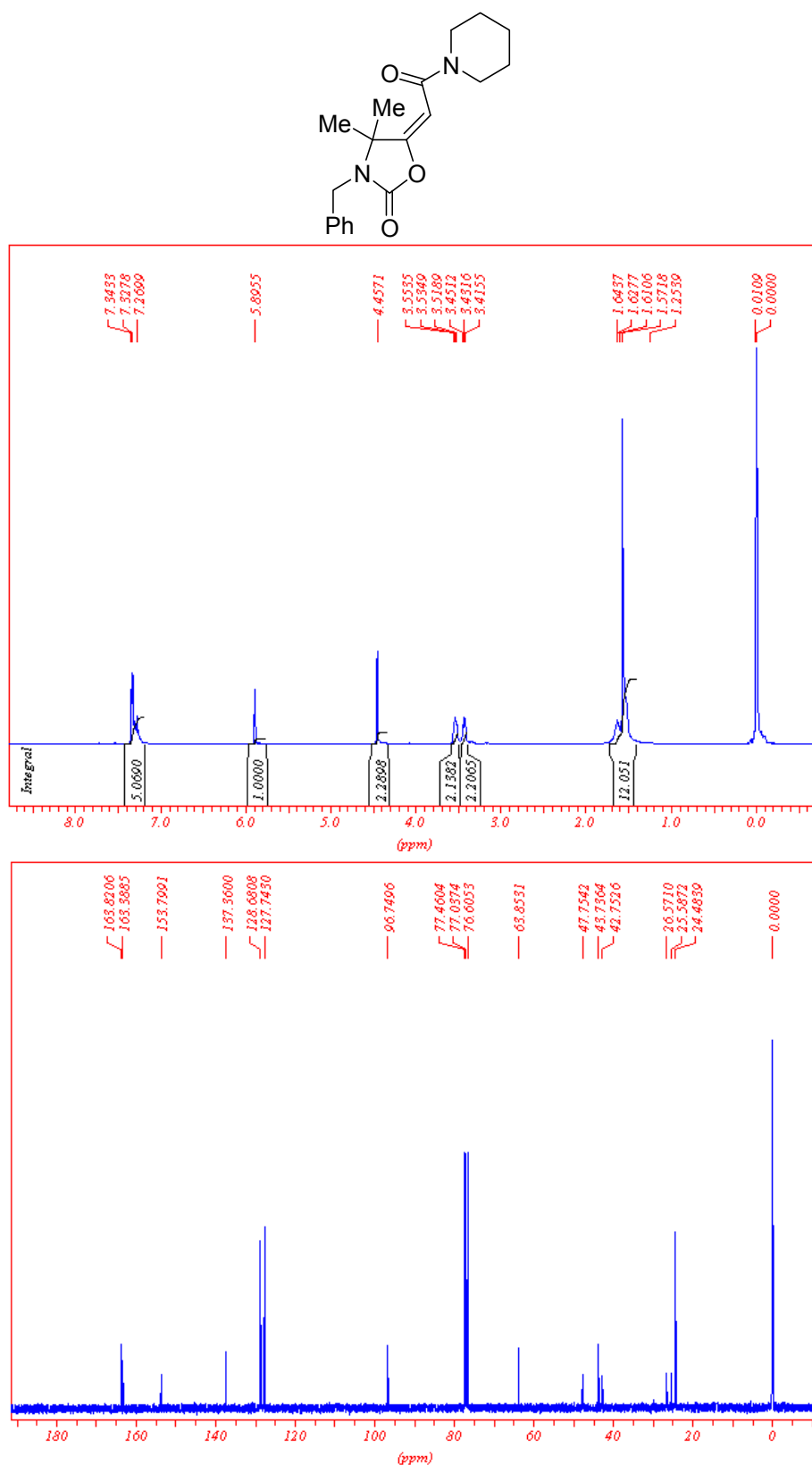


Figure S3. (E)-3-Benzyl-4,4-dimethyl-5-(2-oxo-2-piperidin-1-ylethylidene)oxazolidin-2-one (3ab-E).

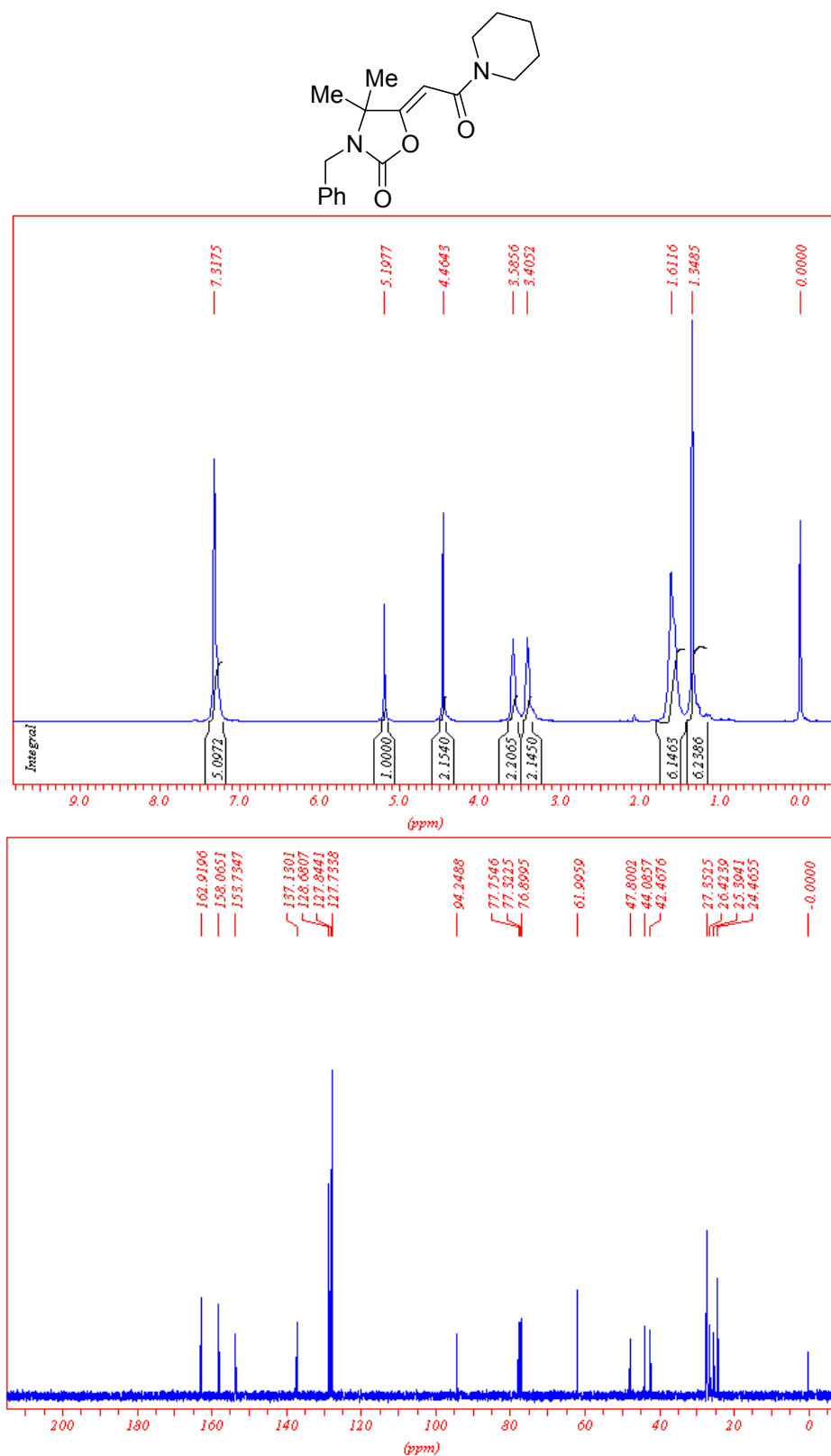


Figure S4. (Z)-3-Benzyl-4,4-dimethyl-5-(2-oxo-2-piperidin-1-ylethylidene)oxazolidin-2-one (3ab-Z).

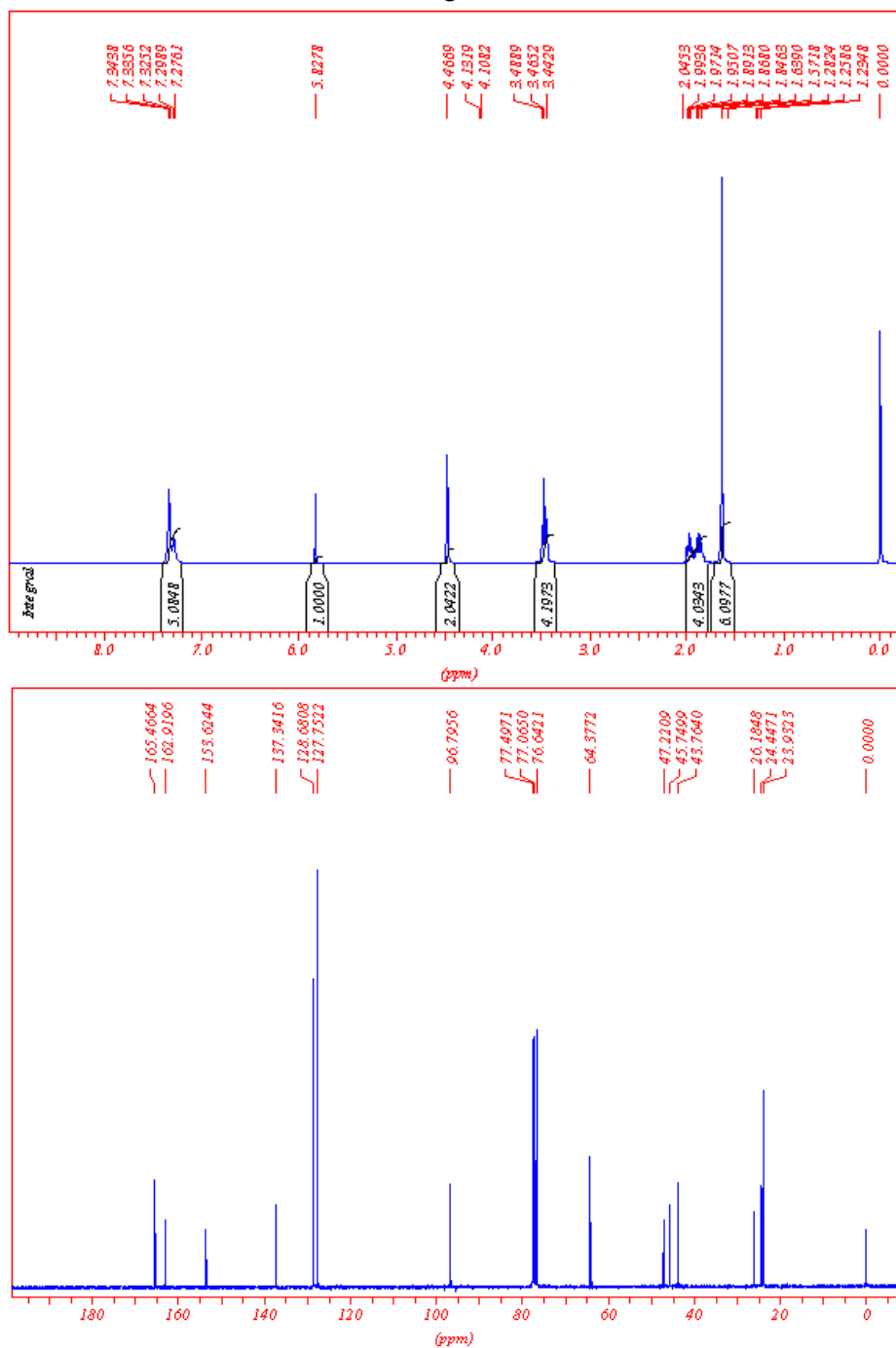
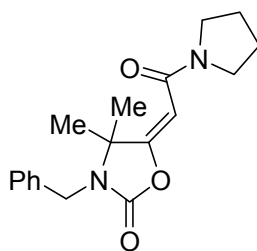


Figure S5 (*E*)-3-Benzyl-4,4-dimethyl-5-(2-oxo-2-pyrrolidin-1-ylethylidene)oxazolidin-2-one (**3ac-E**).

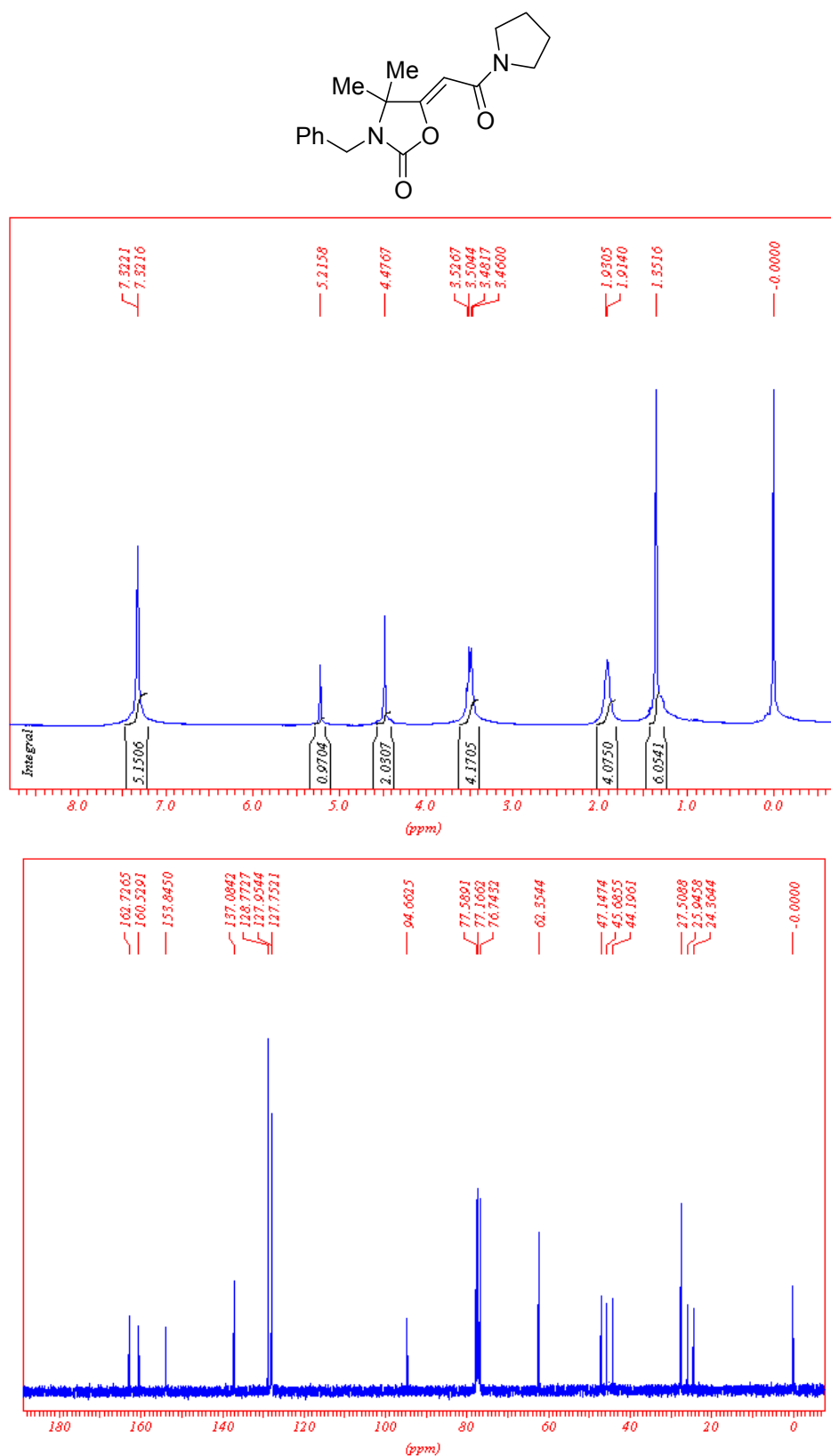


Figure S6. (Z)-3-Benzyl-4,4-dimethyl-5-(2-oxo-2-pyrrolidin-1-ylethylidene)oxazolidin-2-one (3ac-Z).

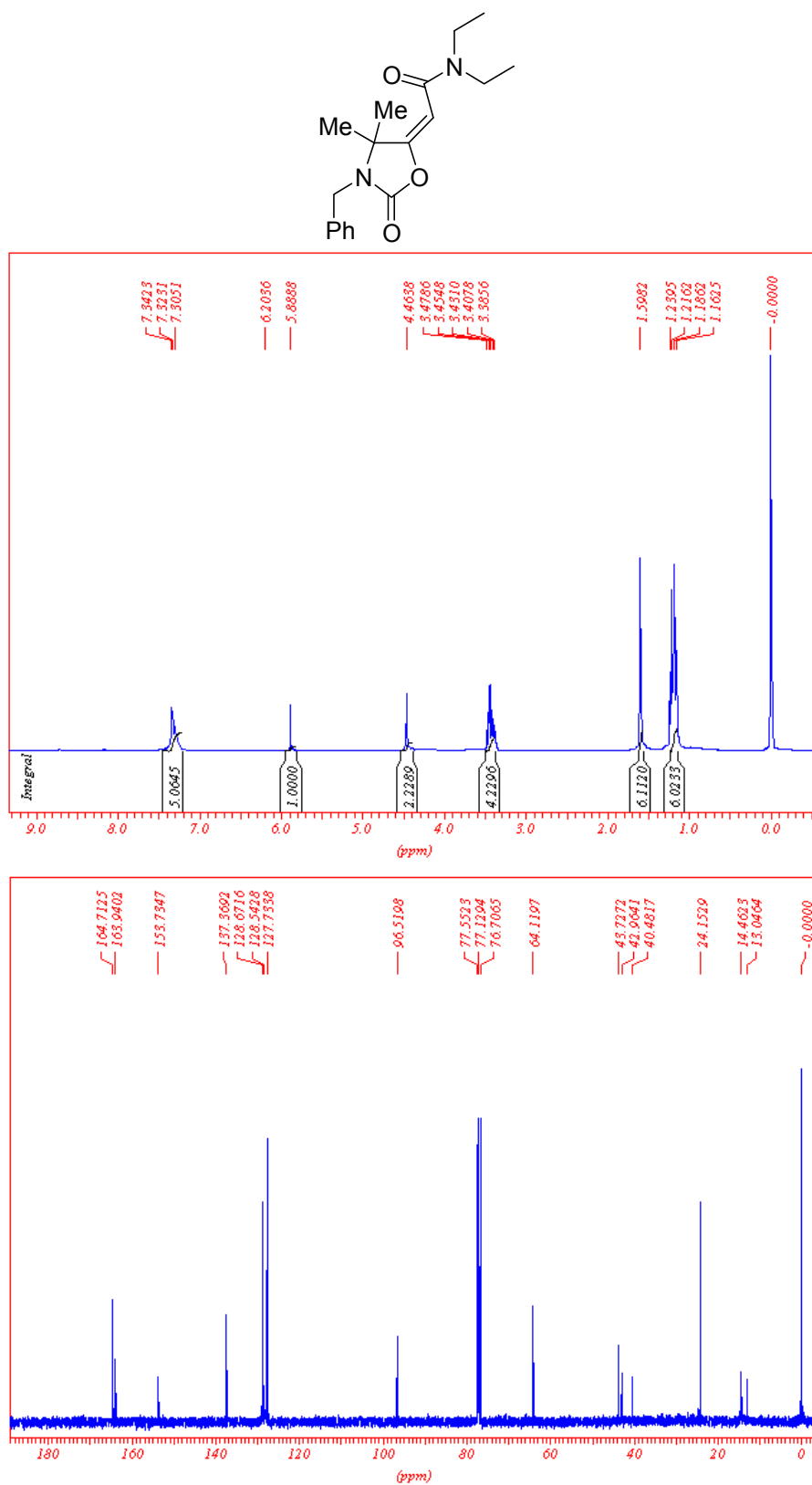


Figure S7. (E)-2-(3-Benzyl-4,4-dimethyl-2-oxo-oxazolidin-5-ylidene)-N,N-diethylacetamide (3ad-E).

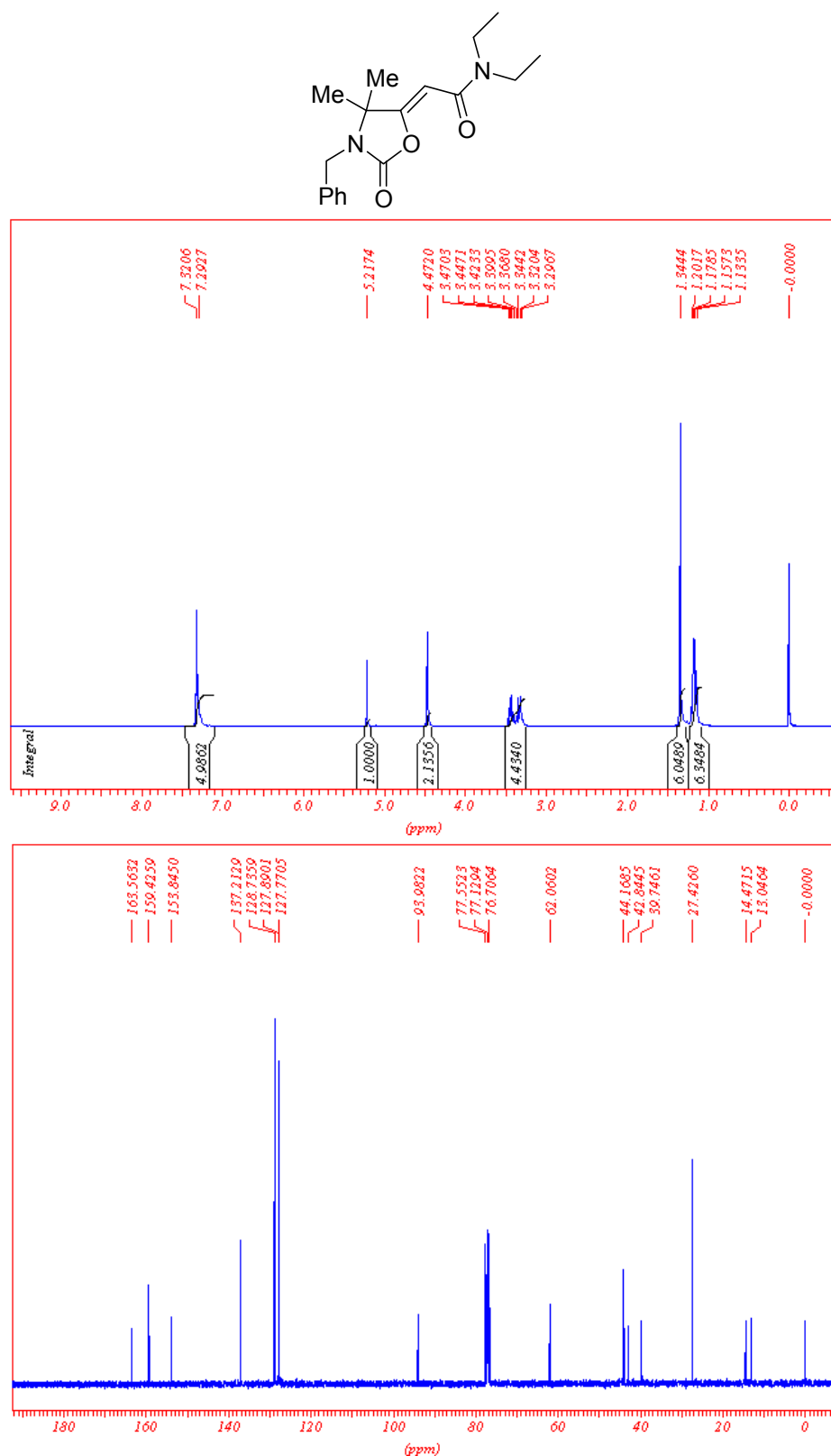


Figure S8. (Z)-2-(3-Benzyl-4,4-dimethyl-2-oxo-oxazolidin-5-ylidene)-N,N-diethylacetamide (3ad-Z).



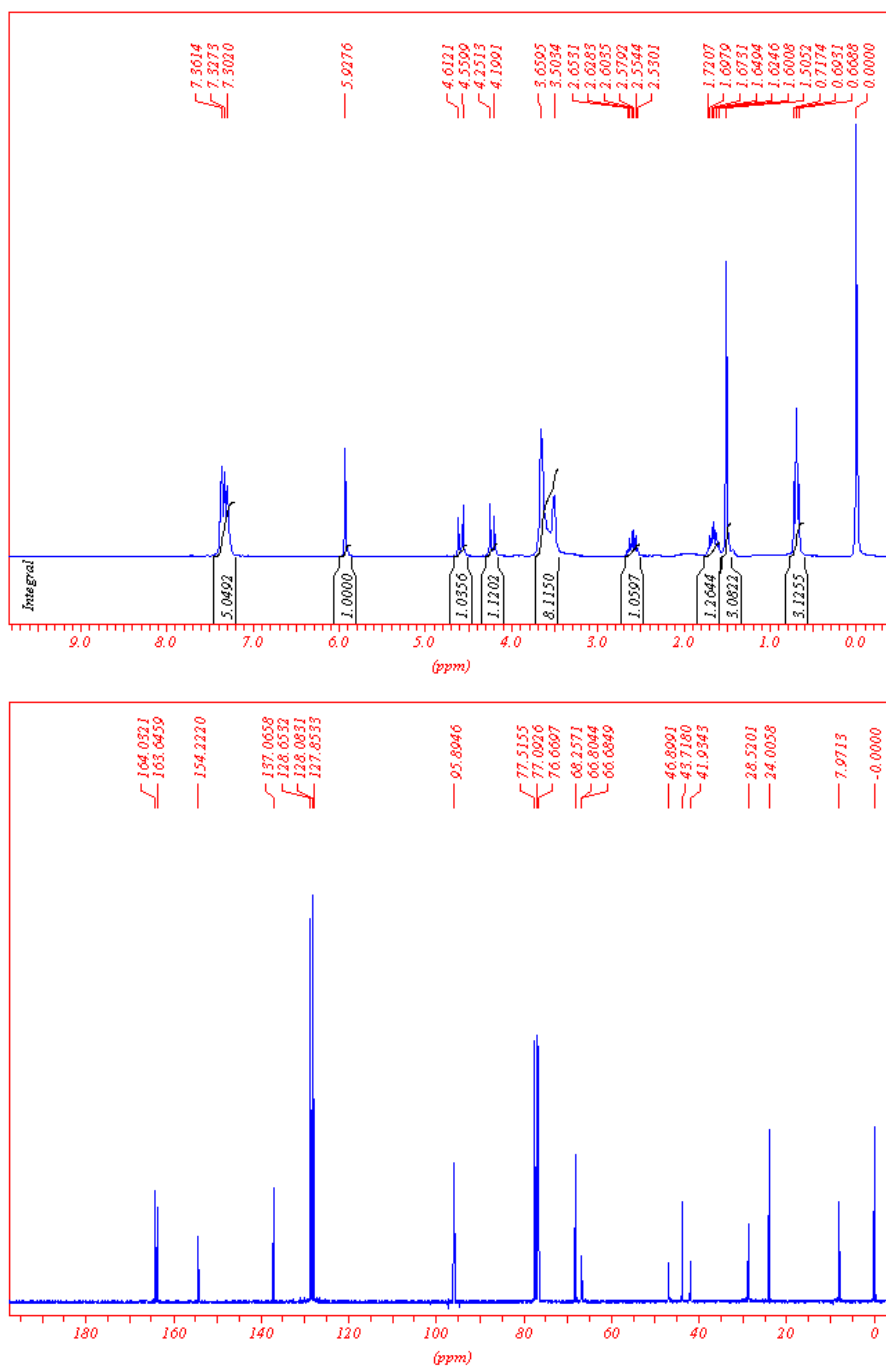
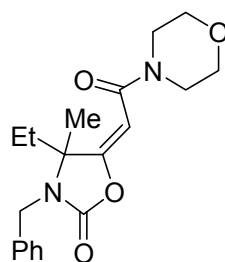


Figure S9. (*E*)-3-Benzyl-4-ethyl-4-methyl-5-(2-morpholin-4-yl-2-oxoethylidene)oxazolidin-2-one (**3ba-E**).

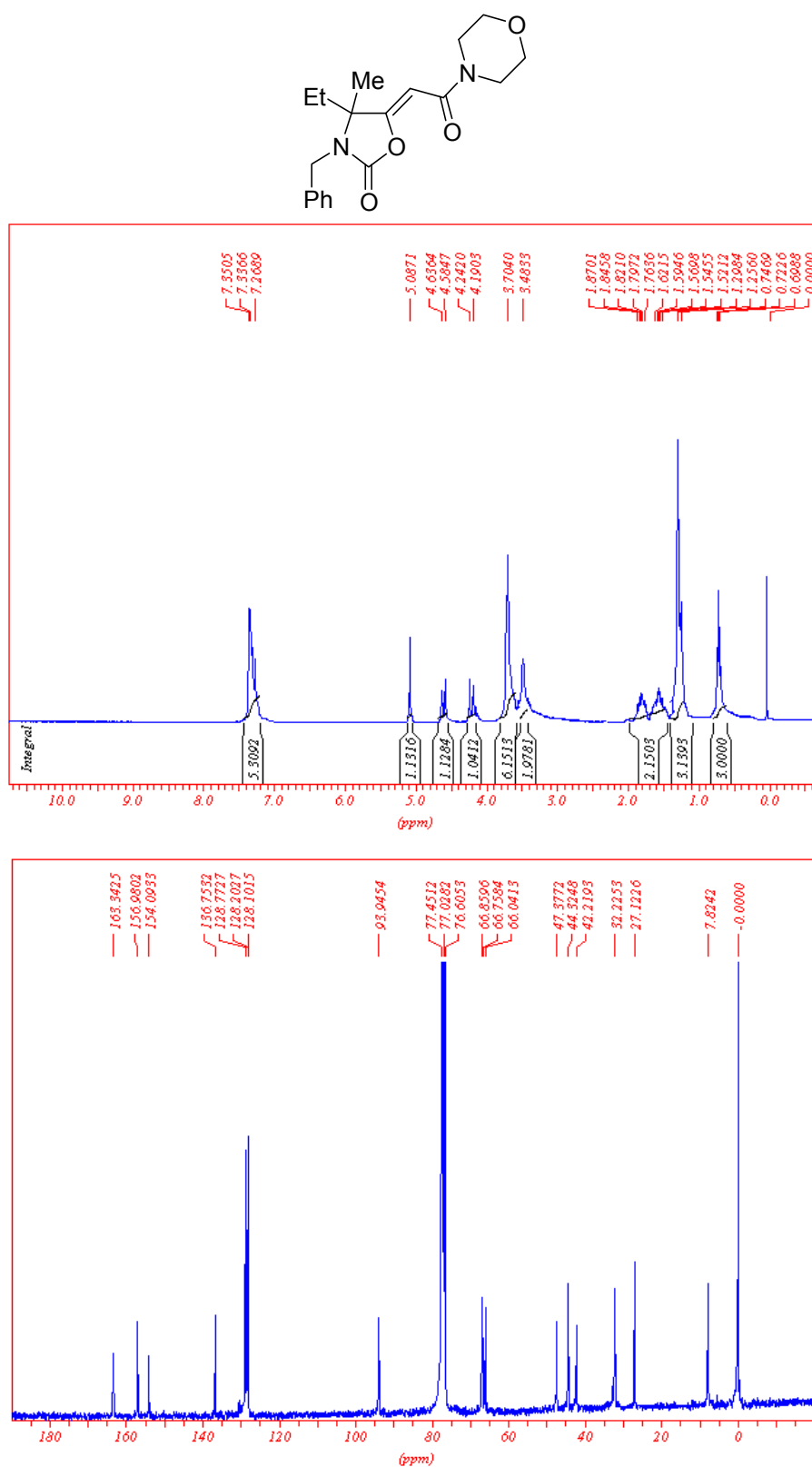


Figure S10. (Z)-3-Benzyl-4-ethyl-4-methyl-5-(2-morpholin-4-yl-2-oxoethylidene)oxazolidin-2-one (3ba-Z).

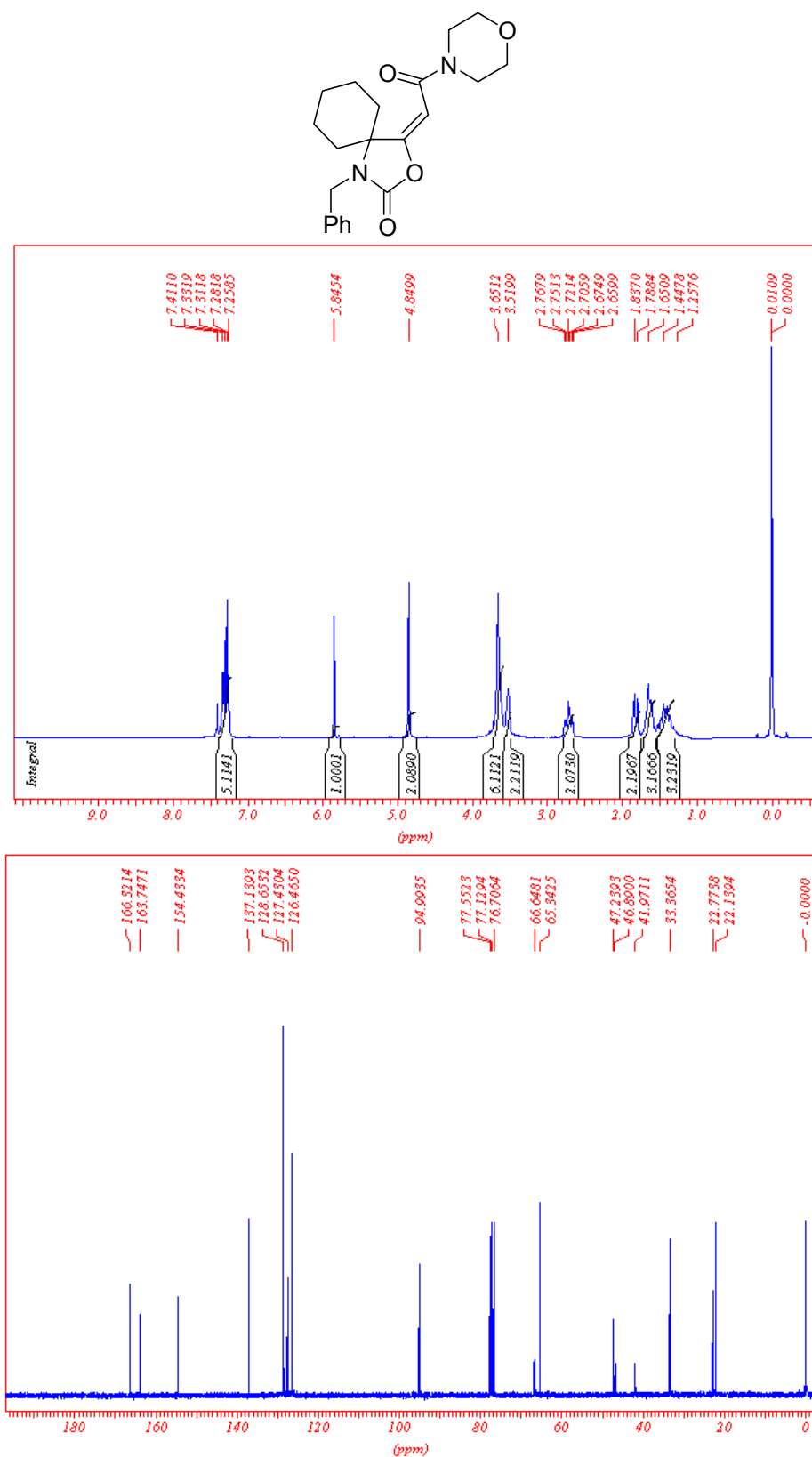


Figure S11. (E)-1-Benzyl-4-(2-morpholin-4-yl-2-oxoethylidene)-3-oxa-1-azaspiro[4.5]decan-2-one (3ca-E).

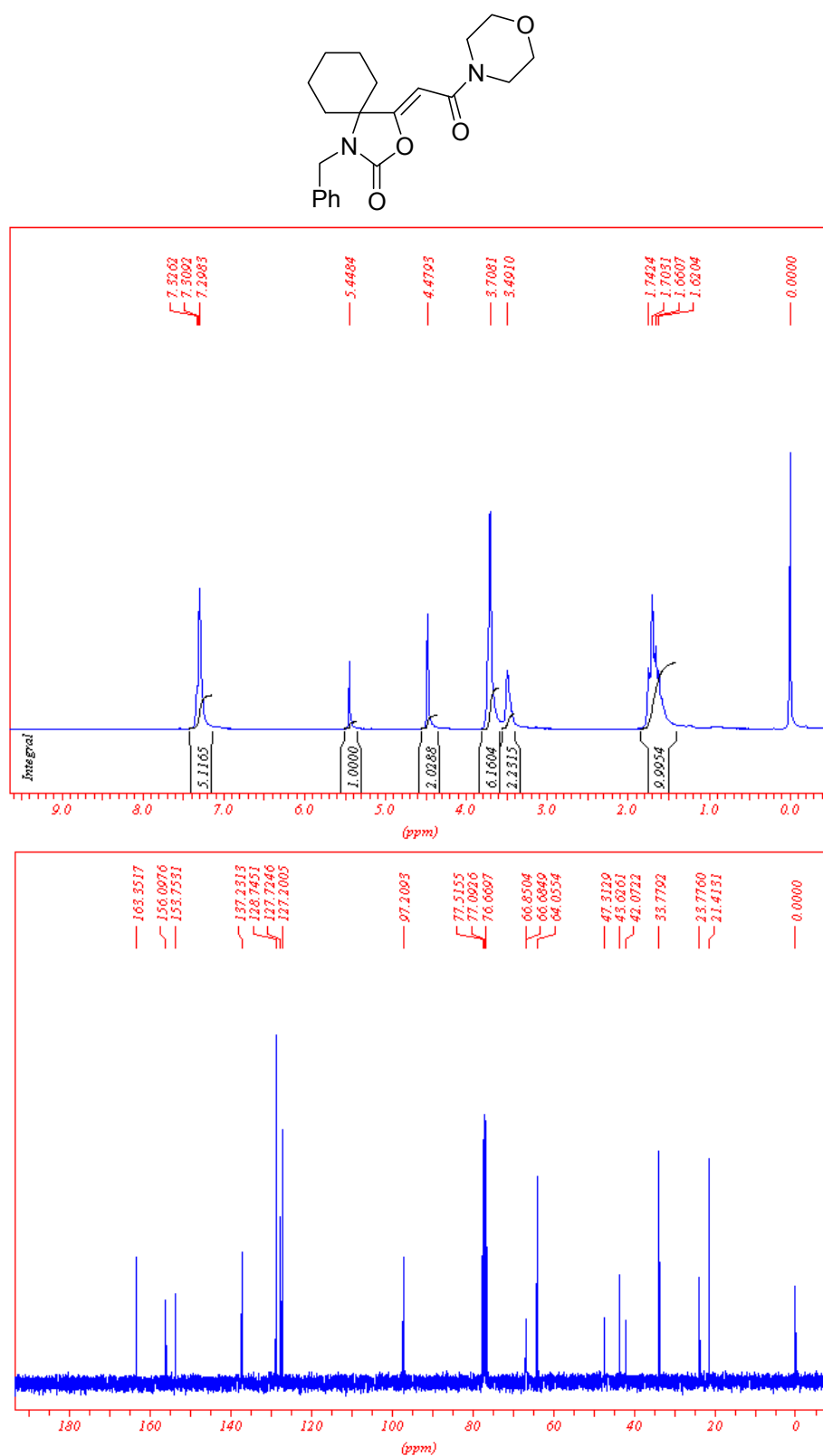


Figure S12. (Z)-1-Benzyl-4-(2-morpholin-4-yl-2-oxoethylidene)-3-oxa-1-azaspiro[4.5]decan-2-one (3ca-Z).

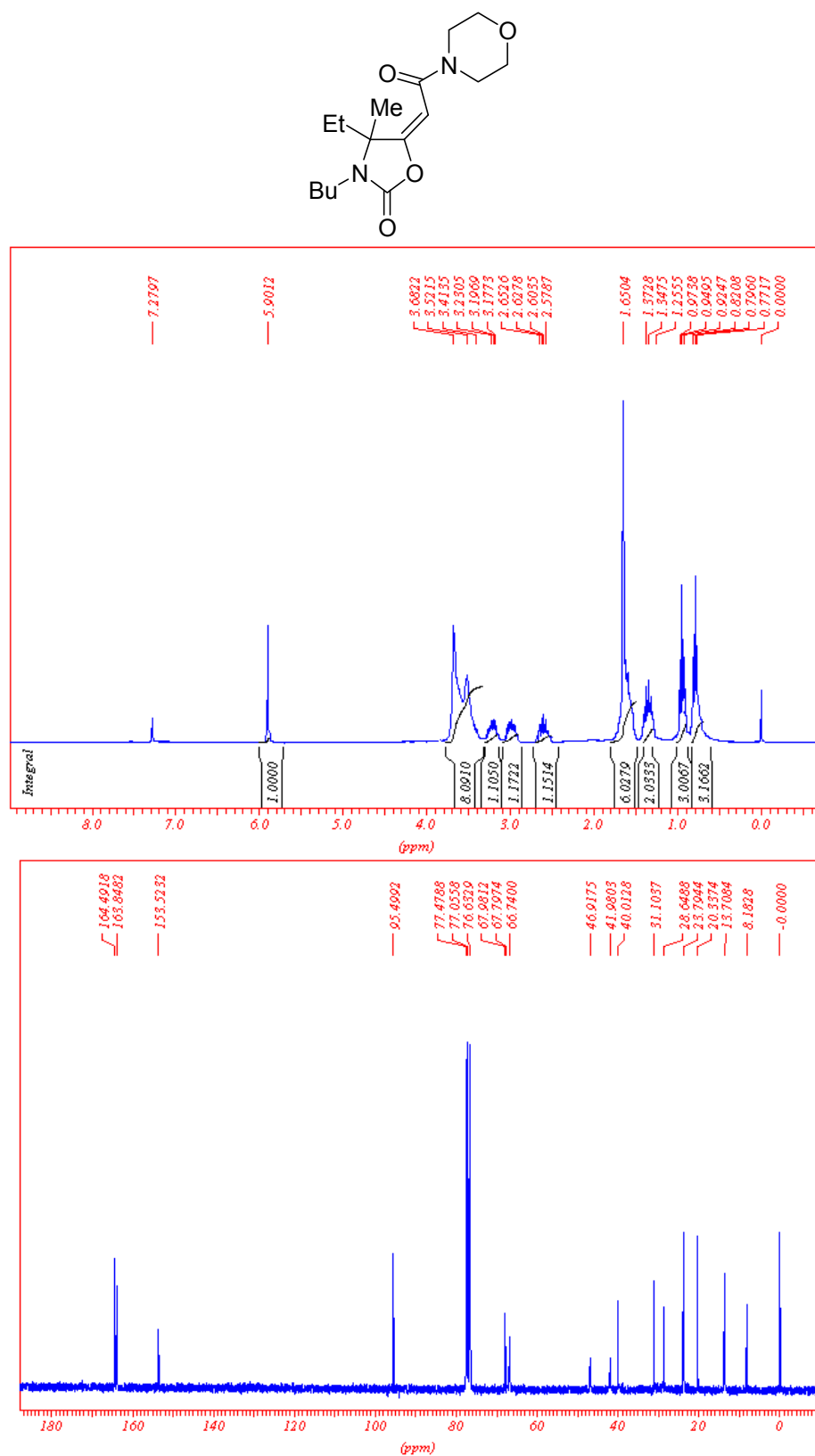


Figure S13. (E)-3-Butyl-4-ethyl-4-methyl-5-(2-morpholin-4-yl-2-oxoethylidene)oxazolidin-2-one (3da-E).

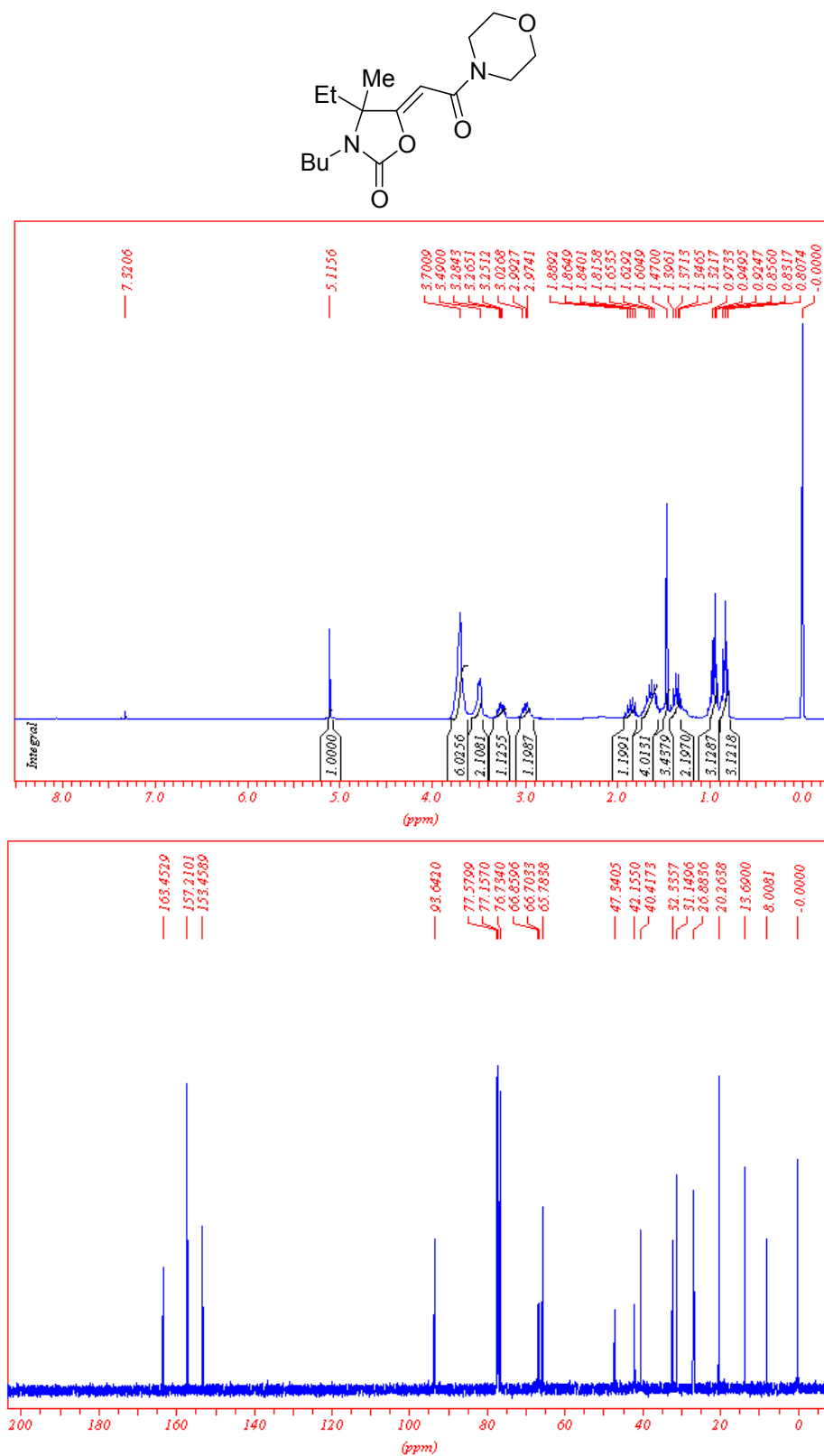


Figure S14. (Z)-3-Butyl-4-ethyl-4-methyl-5-(2-morpholin-4-yl-2-oxoethylidene)oxazolidin-2-one (3da-Z).

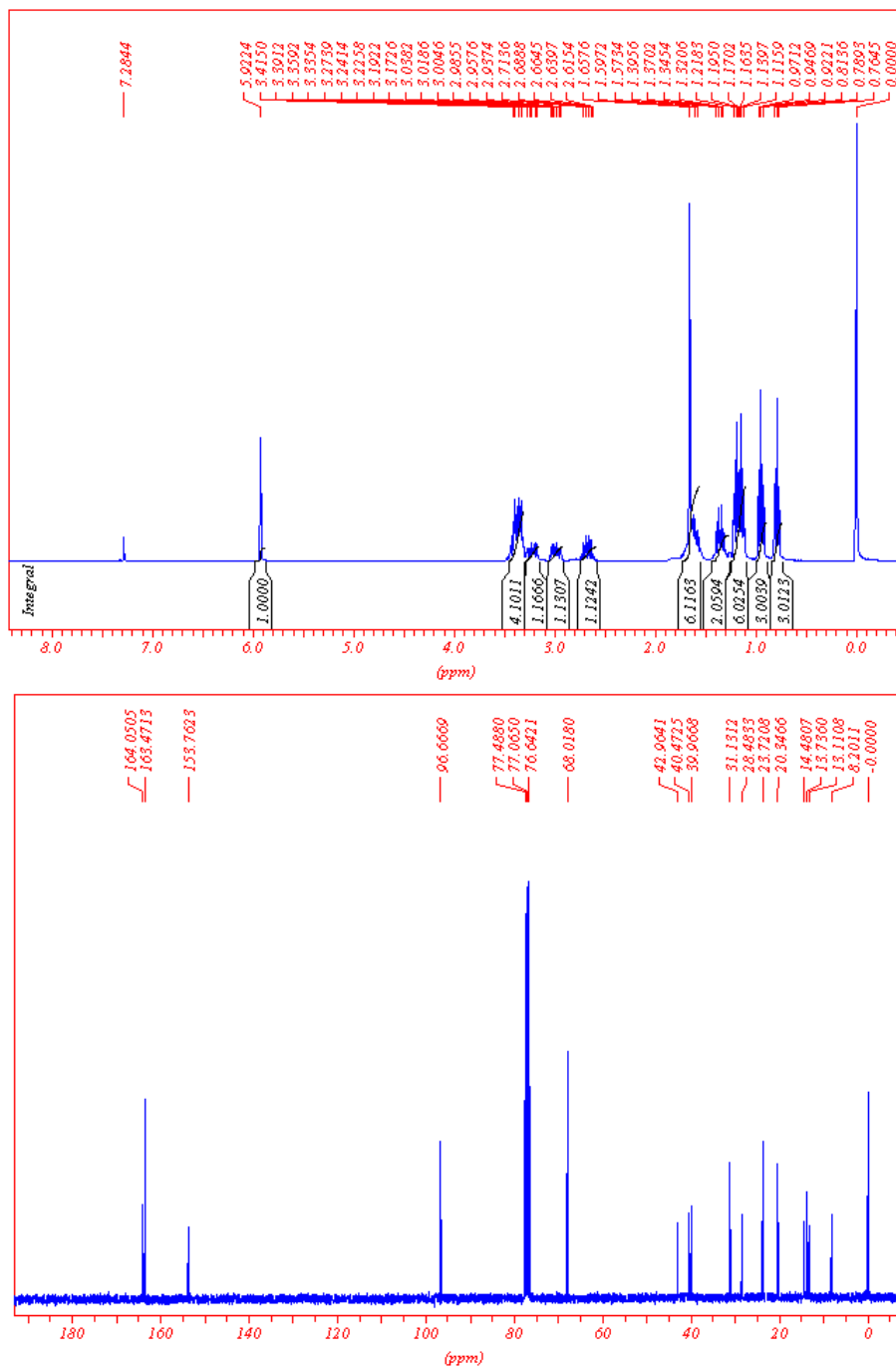
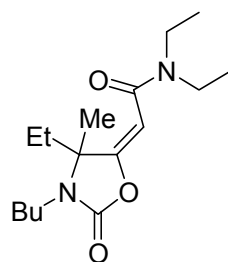


Figure S15. (E)-2-(3-Butyl-4-ethyl-4-methyl-2-oxo-oxazolidin-5-ylidene)-N,N-diethylacetamide (3dd-E).

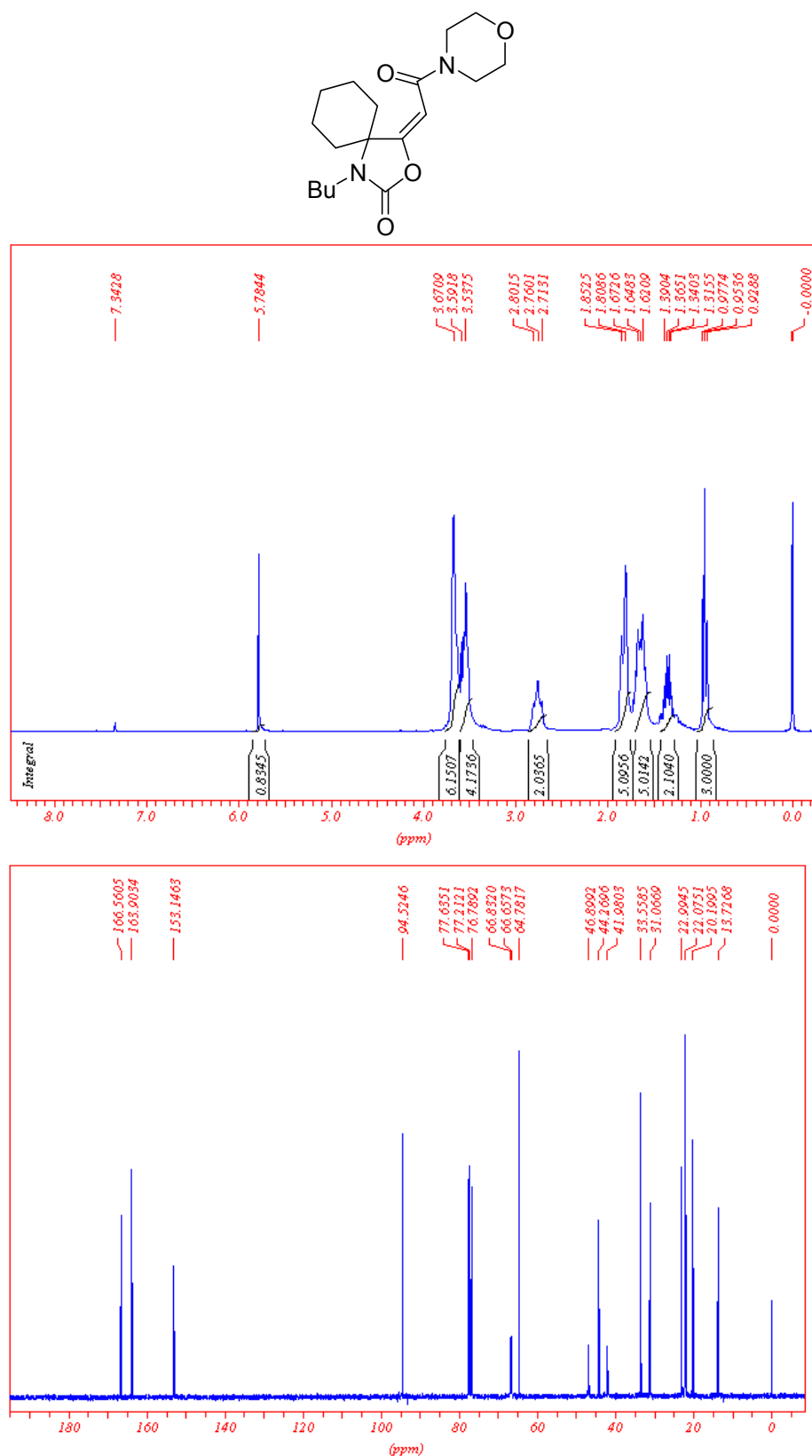


Figure S16. (E)-1-Butyl-4-(2-morpholin-4-yl-2-oxoethylidene)-3-oxa-1-azaspiro[4.5]decan-2-one (3ea-E).



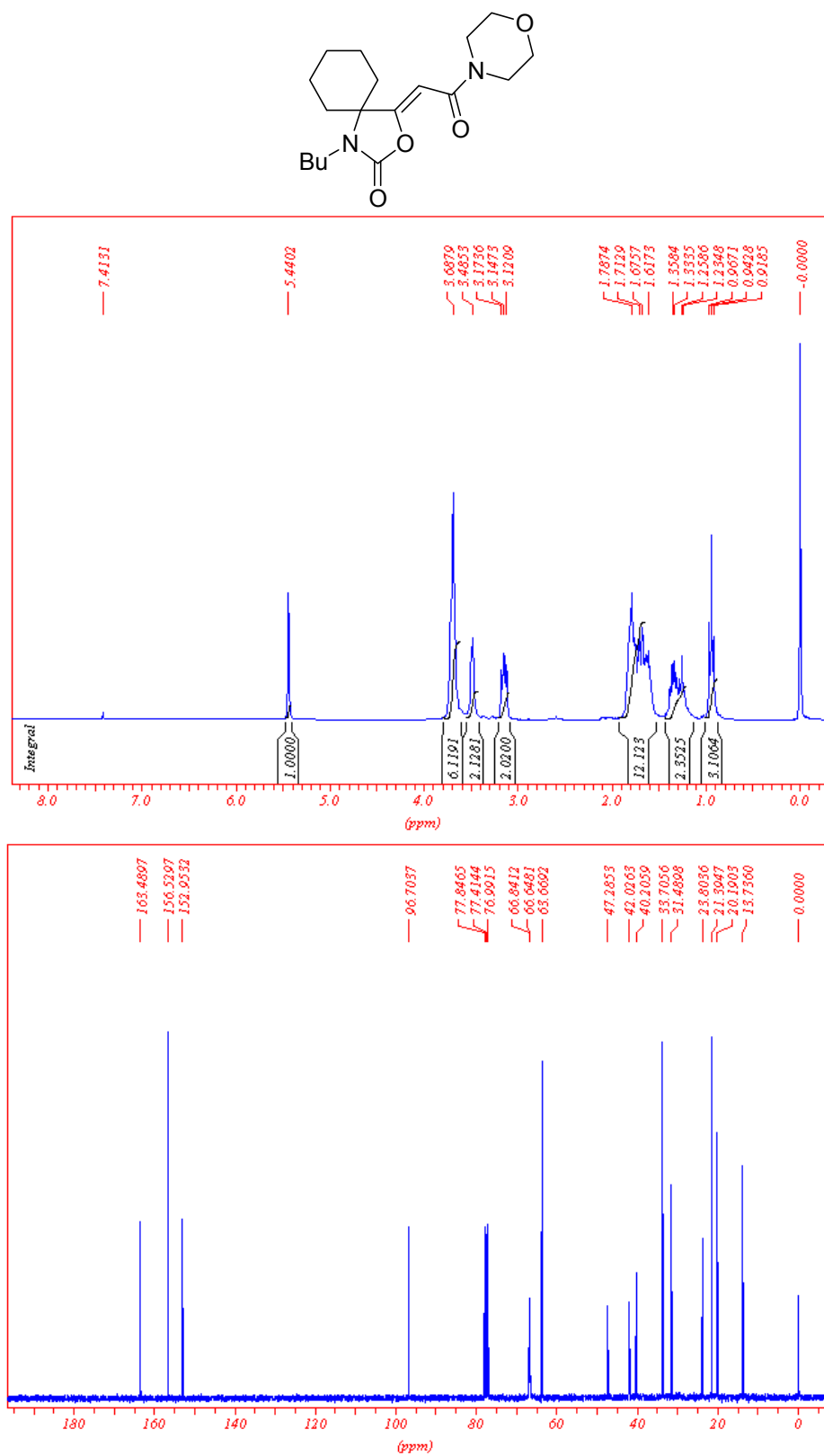


Figure S17. (Z)-1-Butyl-4-(2-morpholin-4-yl-2-oxoethylidene)-3-oxa-1-azaspiro[4.5]decan-2-one (3ea-Z).