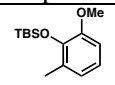
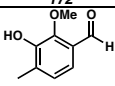
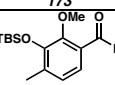
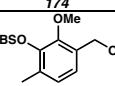
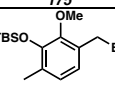
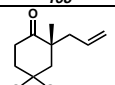
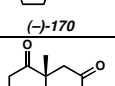
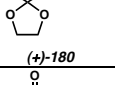
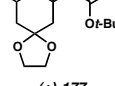
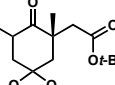
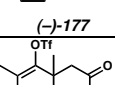
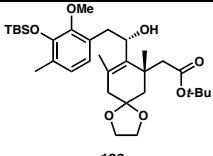
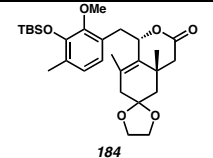
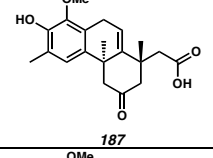
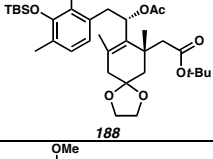
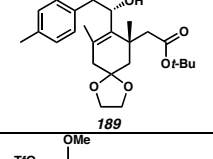
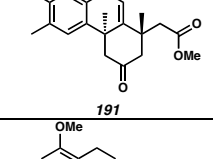
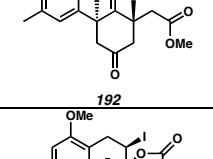
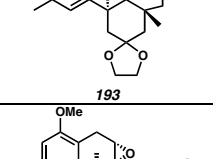
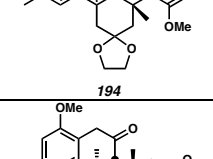
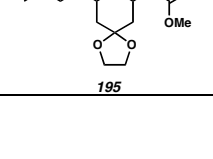


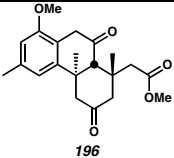
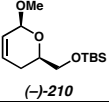
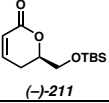
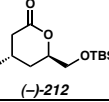
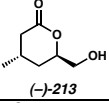
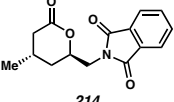
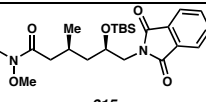
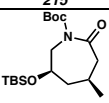
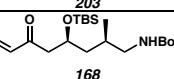
NOTEBOOK CROSS-REFERENCES

The following notebook cross-references have been included to facilitate access to the original spectroscopic data obtained for the compounds presented in this thesis. For each compound, both hard copy and electronic versions of the original ^1H NMR, ^{13}C NMR, ^{19}F NMR, ^{31}P NMR, and IR spectra are stored in the Stoltz group archives.

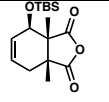
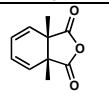
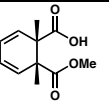
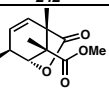
Compounds from Chapter 2 - Early Efforts Toward the Synthesis of Zoanthenol

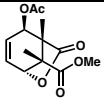
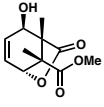
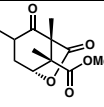
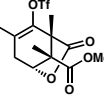
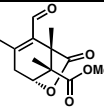
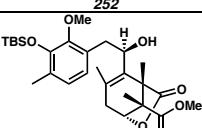
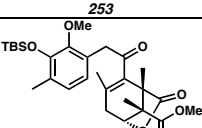
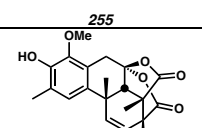
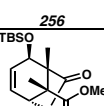
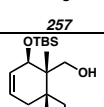
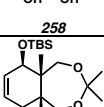
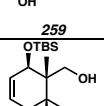
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	DCBX_299	DCBXI_Benzaldehyde_H	DCBXI_Benzaldehyde_C	DCBXXVI_93_HighRf
	DCBX_299	DCBXXVI_93_LowRf_H	DCBXXVI_93_LowRf_C	DCBXXVI_93_LowRf
	DCBXXVIII_225	DCBXXVIII_225_H	DCBXXVIII_225_C	DCBXXVIII_225
	DCBXII_217	DCBXII_217_H	DCBXII_217_C	DCBXII_217
	DCBXXIII_97	DCBXXIII_97_H	DCBXXIII_97_C	DCBXXIII_97
	DCBXXV_101	DCBXXV_99_41_H	DCBXXV_99_C	DCBXXV_99
	DCBXXV_103	DCBXXV_103_HighRf_H	DCBXXV_103_HighRf_C	DCBXXV_103_HighRf
	DCBXXV_103	DCBXXV_103_LowRf_H	DCBXXV_103_LowRf_C	DCBXXV_103_LowRf
	DCBX_175	DCBXXVIII_235_H	DCBXXVIII_235_C	DCBXXVIII_235
	DCBXI_59	DCBXXVIII_237_H	DCBXXVIII_237_C	DCBXXVIII_237

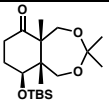
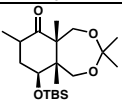
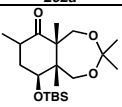
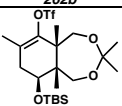
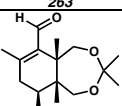
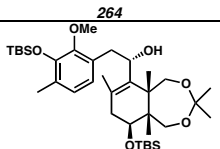
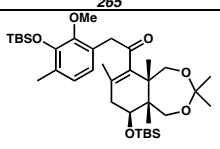
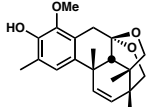
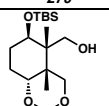
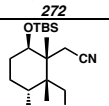
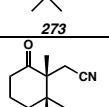
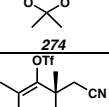
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 184	DCBXXVIII_227	DCBXXVIII_227_H	DCBXXVIII_227_C	DCBXXVIII_227
 187	DCBXI_99	DCBXXVIII_241_H	DCBXXVIII_241_CD2CL2_C	DCBXXVIII_241
 188	DCBVII_189	DCBVII_189_H	DCBVII_189_C	DCBVII_189
 189	DCBX_281-285	DCBX_185_H	DCBX_185_C	DCBX_185
 191	DCBXII_93	DCBXXVIII_Tf_H	DCBXXVIII_Tf_C	DCBXXVIII_Tf
 192	DCBX_235	DCBVIII_115_H	DCBVIII_115_C	DCBVIII_115
 193	DCBVIII_223,227,231	DCBXXVIII_257_final_H	DCBXXVIII_257_C	DCBXXVIII_257
 194	DCBIX_69	DCBXXVIII_259_CDCl3_H	DCBXXVIII_259A_C	DCBXXVIII_259
 195	DCBIX_131	DCBXXVIII_261_H	DCBXXVIII_261_C	DCBXXVIII_261

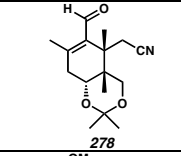
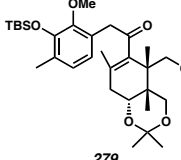
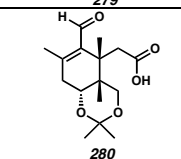
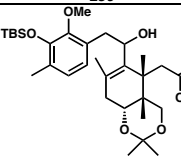
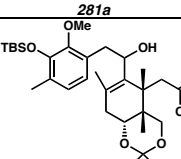
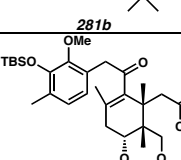
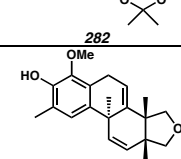
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 (-)-211	JTBII_289	JTB-B-HNMR	JTB-B-CNMR	JTB-B-IR
 (-)-212	JTBII_243	JTB-C-HNMR	JTB-C-CNMR	JTB-C-IR
 (-)-213	JTBIII_53	JTB-D-HNMR	JTB-D-CNMR	JTB-D-IR
 214	JTBIII_57	JTB-E-HNMR	JTB-E-CNMR	JTB-E-IR
 215	JTBII_227	JTB-F-HNMR	JTB-F-CNMR	JTB-F-IR
 203	JTBII_295	JTB-G-HNMR	JTB-G-CNMR	JTB-G-IR
 168	JTBIII_49	JTB-H-HNMR	JTB-H-CNMR	JTB-H-IR

Compounds from Chapter 3 - Acid-Mediated Cyclization Approaches to the Densely Substituted Carbocyclic Core of Zoanthanol

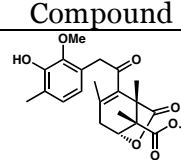
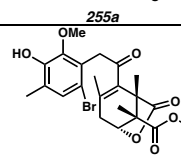
Compound	Procedure	¹ H NMR	¹³ C NMR	IR
 225	DCBXXVI-77	ThesisChar1_1Hredo	ThesisChar1_13C	ThesisChar1
 226	JLSIX_155	Diene_H	Diene_C	JLSX_295
 242	JLSXI_25	ThesisChar9_1H	ThesisChar9_13C	JLSVII_73
 247	JLSXI_27	JLSV_87_1	IodoLact_C	JLSV_153

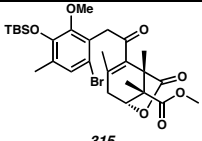
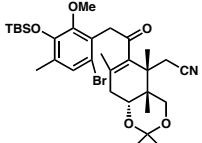
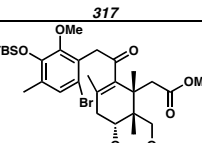
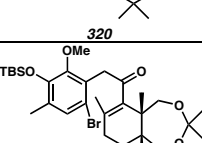
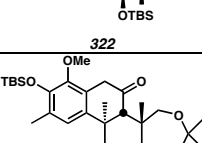
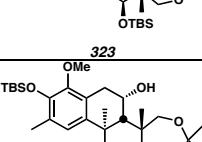
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	DCBXXVIII_15 1	ThesisChar3_1H	ThesisChar3_13C	ThesisChar3
	DCBXXVI_ 149	DCBXXVI_149_H	DCBXXVI_149_ C	DCBXXVI_149
	DCBXXVI_ 191	DCBXXVI_191_H	DCBXXVI_191_C	DCBXXVI_191
	DCBXXVI_ 199	DCBXXVI_199_H	DCBXXVI_199_ C	DCBXXVI_199
	DCBXXVI_ 147	DCBXXVI_101_2 4_H	DCBXXVI_147_ C	DCBXXVI_147
	DCBXXVI_ 189	DCBXXVI_189_H	DCBXXVI_189_ C	DCBXXVI_189
	DCBXXVI_ 193	DCBXXVI_193_H	DCBXXVI_193_ C	DCBXXVI_193
	JLSVIII_299	ThesisChar4_1H	ThesisChar4_13C	ThesisChar4
	JLSVIII_303	ThesisChar5_1H	ThesisChar5_13C	ThesisChar5
	JLSX_49	DCBXXVII_157_L S	JLSIX_47_2_C	JLSIX_47_2
	JLSX_49	DCBXXVII_161TS	JLSIX- 47_1_CDCL3_C	JLSIX-47_1

 261	DCBXXVII_215	JLSIX_25_1_H	JLSIX_25_1_C	JLSIX_25_1
 262a	DCBXXVII_225	DCBXXVII_225_HighRf_H	DCBXXVII_225_HighRf_C	DCBXXVII_225_HighRf
 262b	DCBXXVII_225	DCBXXVII_211_3_9	DCBXXVIII_33_LowRf_C	DCBXXVIII_33_LowRf
 263	DCBXXVII_219	DCBXXVII_243_SM_H	DCBXXVII_243_SM_C	DCBXXVII_243_SM
 264	DCBXXVIII_239	DCBXXVIII_51_H	DCBXXVIII_51_C	DCBXXVIII_51
 265	DCBXXVIII_243	DCBXXVIII_243_H	DCBXXVIII_243_C	DCBXXVIII_243
 266	DCBXXVIII_247	DCBXXVIII_95_H	DCBXXVIII_95_C	DCBXXVIII_95
 270	DCBXXVIII_99	DCBXXVIII_99_48_H	DCBXXVIII_99_48_C	DCBXXVIII_99_48
 272	JLSIX_213	ThesisChar6_1HRedo	ThesisChar6_13CRedo	ThesisChar6
 273	DCBXXVII_217	DCBXXVII_217_H	DCBXXVII_217_C	DCBXXVII_217
 274	JLSIX_105	DCBXXVII_145SM_H	DCBXXVII_145SM_C	DCBXXVII_145SM
 276	JLS IX_101 JLS IX_107	DCBXXVII_153C6D6_H	DCBXXVII_153C6D6_C	DCBXXVII_153

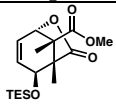
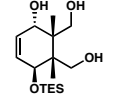
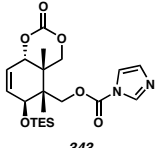
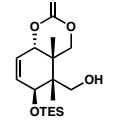
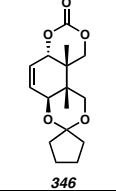
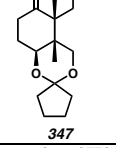
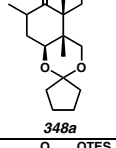
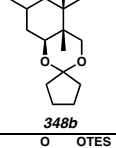
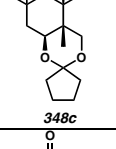
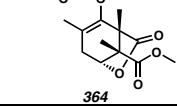
 278	JLSX_21 JLSIX_179	DCBXXVII_163_ H	DCBXXVII_163_ C	DCBXXVII_16 3
 279	JLSIX_193 JLSIX_211	DCBXXVIII_97_ H	DCBXXVIII_97_ C	DCBXXVIII_97
 280	JLSXVII71	JLSXVII71_1a_1H	JLSXVII71_1a_1 3C	JLSXVII71-1a
 281a	JLSXVII89	JLSXVII89_1_1H	JLSXVII89_1_13 C	JLSXVII89-1
 281b	JLSXVII75	JLSXVII75_2a_1 H	JLSXVII75_2a_1 3C	JLSXVII75-2a
 282	JLSXVII91	JLSXVII91_1_1H	JLSXVII91_1_13 C	JLSXVII91-1
 269	JLSXIII61	JLSXIII61_1_1H	JLSXIII61_1_13C	JLSXIII61-1

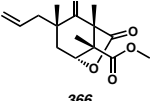
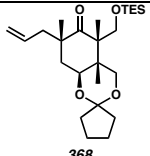
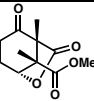
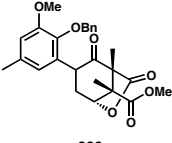
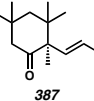
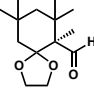
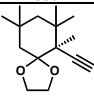
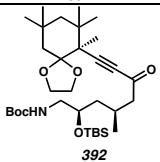
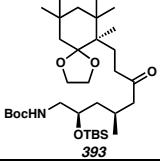
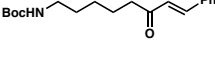
Compounds from Chapter 4 – Radical Cyclization Approaches to the Tricyclic Core of Zoanthanol

Compound	Procedure	¹ H NMR	¹³ C NMR	IR
 255a	DCBXXVI_ 189	DCBXXVI_189_H	DCBXXVI_189_ C	DCBXXVI_189
 255b	JLSXVI115	JLSXVI115_2_1H	JLSXVI115_2_13 C	JLSXVI115b

 315	JLSXVI119	JLSXVI119_1_1H	JLSXVI119_1_13C	JLSXVI119a
 317	JLSX_31 JLSX_121 JLSX_135	ThesisChar7_1Hb	ThesisChar7_13C	ThesisChar7
 320	JLSX299	JLSXVII 85_4b2_1H	JLSXVII 85_4b2_13C	JLSXVII85-4b2
 322	DCBXXVIII_ 251	DCBXXVIII_ 159_H	DCBXXVIII_ 159_C	DCBXXVIII_ 159
 323	DCBXXIX_49	DCBXXIX57_H	DCBXXVIII_ 255_C	DCBXXVIII_ 163_29B
 324	DCBXXIX_59	DCBXXIX_59_H	DCBXXIX_59_C	DCBXXIX_55

Compounds from Appendix D – Current and Future Investigations Toward Zoanthenol

Compound	Procedure	¹ H NMR	¹³ C NMR	IR
 341	JLSXV303	JLSXV303-1_1H	JLSXV303_1_13C	JLSXV303a
 342	JLSVII39	JLSXV125-1_1H	JLSVII-39_13C	JLSVII39
 343	JLSXVII49	JLSXVII49-2_1H	JLSXVII49-2_13C	JLSXVII49-2
 344	JLSXV263	JLSXV263-1_1H	JLSXV263-1_13C	JLSXV263-1
 346	JLSXVII53	JLSXVII53-1_1H	JLSXVII53-1_13C	JLSXVII53-1
 347	JLSXV253	JLSXV253-1a_1H	JLSXV253-1a_13C	JLSXV253-1
 348a	JLSXVII45	JLSXVII45-1a3_1H	JLSXVII45-1a3_13C	JLSXVII45-1a3
 348b	JLSXVII45	JLSXVII45-2b3_1H	JLSXVII45-2b3_13C	JLSXVII45-2b3
 348c	JLSXVII45	JLSXVII45-1a_1H	JLSXVII45-1a_13C	JLSXVII45-1a
 364	JLSXVI159	JLSXVI159-1_1H	JLSXVI159-1_13C	JLSXVI159a

 365	TJ-I-263	TJ-PHOX-1H	TJ-PHOX-13C	TJ-I-263a
 366	JLSXVI147	JLSXVI147-1_1H	JLSXVI147-1_13C	JLSXVI147a
 368	JLSXVI231	JLSXVI231-1_1H	JLSXVI231-1_13C	JLSXVI231-1a
 379	AM-II-125	AM-II-125_1H	AM-II-125_13C	AM-II-125
 249	DCBXXVI_163	DCBXXVI_163_H	DCBXXVI_163_C	DCBXXVI_163
 380	AM-II-265	AM-II-265_prepTLC_1H	AM-II-265_prepTLC_13C	AM-II-265_prepTLC
 387	DCBXXV_31	DCBXXIV_249_19_H	DCBXXIV_249_19_C	DCBXXIV_249_19
 388	DCBXXV_39	DCBXXV_39_19_H	DCBXXV_39_19_C	DCBXXV_39
 389	DCBXXV_77	DCBXXV_77_37_H	DCBXXV_77_C	DCBXXV_77
 391	DCBXXV_79	DCBXXV_83_H	DCBXXV_83_C	DCBXXV_83
 392	DCBXXV_113	DCBChar11_H	DCBXXIX_Char11_C	DCBXXV_113
 393	DCBXXV_115	DCBthesisChar10_H	DCBthesisChar10_C	DCBXXIX_the sisChar10
 396	AM-I-199	AM-I-199_1H	AM-I-199_13C	AM-I-199