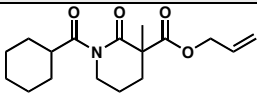
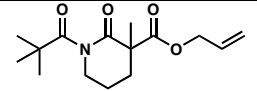
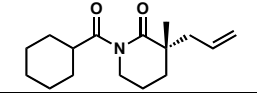
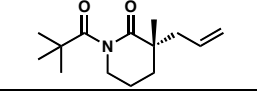
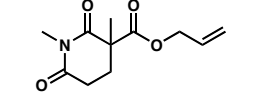
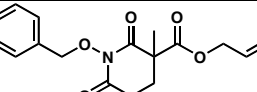
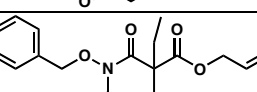
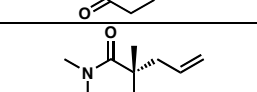
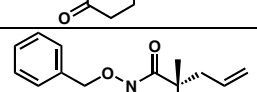
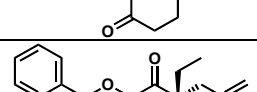
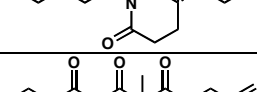
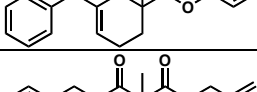
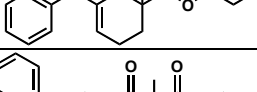
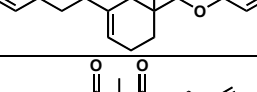


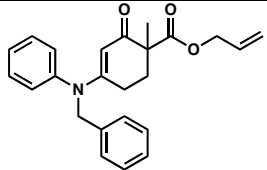
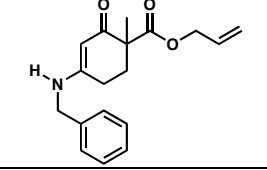
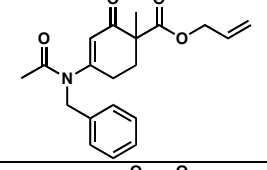
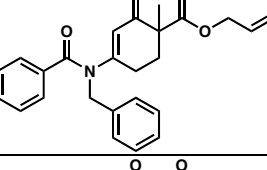
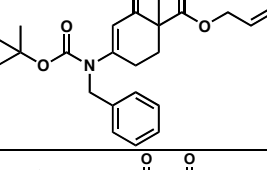
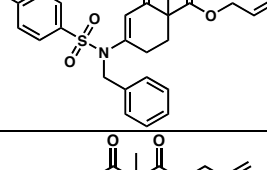
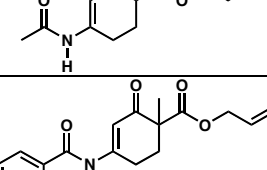
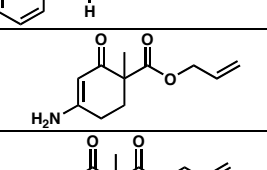
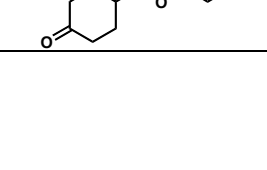
APPENDIX 7

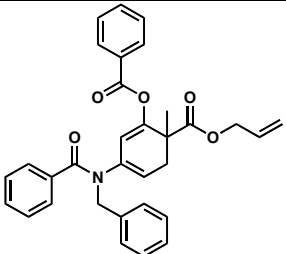
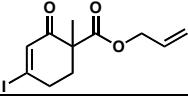
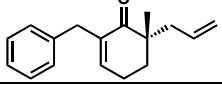
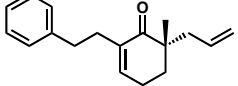
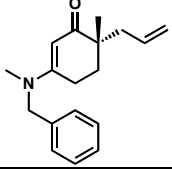
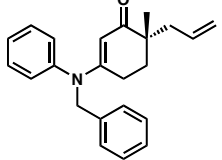
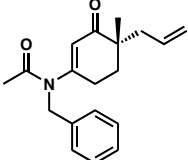
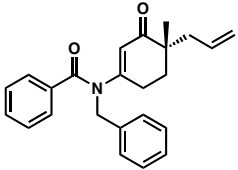
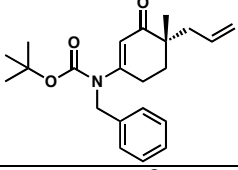
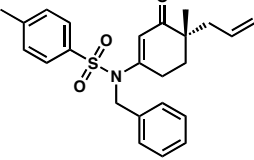
Notebook Cross-Reference

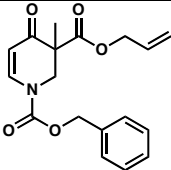
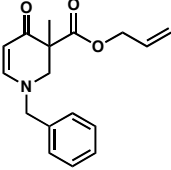
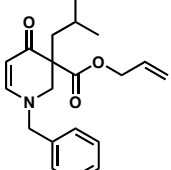
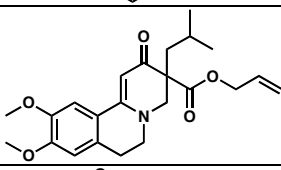
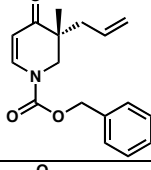
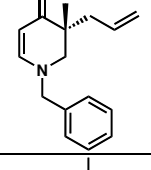
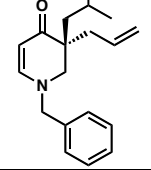
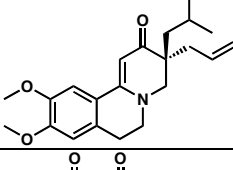
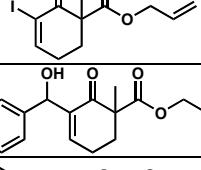
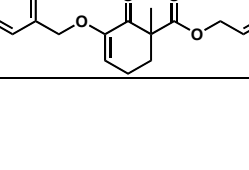
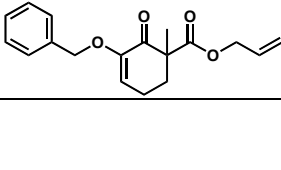
The following notebook cross-reference has been included to facilitate access to the original spectroscopic data obtained for the compounds presented in this thesis. For each compound, both hard copy and electronic characterization folders have been created that contain copies of the original ^1H NMR, ^{13}C NMR, ^{19}F NMR, ^{31}P NMR, ^2H NMR, COSY, HSQC, HMBC, NOESY, IR spectra. Additionally, HRMS and X-ray data can also be found in these files. All notebooks and spectral data are stored in the Stoltz Group archives.

Table A7.1. Notebook cross-reference for compounds in Chapter 1.

compound	chemical structure	¹ H NMR	¹³ C NMR	IR
4i		NBB-IX-63A	NBB-IX-63A	NBB-IX-63A
4j		DCD-IV-067	DCD-IV-067	DCD-IV-067
5i		NBB-IX-83A	NBB-IX-83A	NBB-IX-83A
5j		DCD-IV-103	DCD-IV-103	DCD-IV-103
6c		DCBIII_123	DCBIII_123	DCBIII_123
6d		JK-V-81	JK-V-81	JK-V-81
6e		JK-V-91	JK-V-91	JK-V-91
7c		DCBIII_127_final	DCBIII_127_final	DCBIII_127
7d		JK-V-83-chiral	JK-V-83-chiral	JK-V-83-chiral
7e		JK-V-93-chiral	JK-V-93-chiral	JK-V-93-chiral
13b		NBB-VIII-281A	NBB-VIII-281A	NBB-VIII-281A
13c		NBB-IX-301-2B	NBB-IX-301-2B	NBB-IX-301-2B
13d		NBB-X-15-2B	NBB-X-15-2B	NBB-X-15-2B
16a		NBB-VII-203A	NBB-VII-203A	NBB-VII-203A

16b		NBB-VII-205-2C	NBB-VII-205-2C	NBB-VII-205-2B
16c		NBB-VI-289A	NBB-VI-289A	NBB-VI-289A
16d		NBB-VII-227&241 Frac 10-21	NBB-VII-227&241 Frac 10-21	NBB-VII-227&241 Frac 10-21
16e		DCD-IV-217	DCD-IV-217	DCD-IV-217
16f		NBB-VII-221A	NBB-VII-221A	NBB-VII-221A
16g		NBB-VII-189A	NBB-VII-189A	NBB-VII-189A
16h		DCD-IV-215	DCD-IV-215	DCD-IV-215
16i		DCD-IV-213	DCD-IV-213	DCD-IV-213
16j		NBB-VII-299 Crystal 1	NBB-VII-299 Crystal 1	NBB-VII-299 Crystal 1
17		NBB-VII-235A	NBB-VII-235A	NBB-VII-235A

18		NBB-VII-81B	NBB-VII-81B	NBB-VII-81B
20		NBB-VII-289B	NBB-VII-289B	NBB-VII-289B
21c		DCD-V-057	DCD-V-057	DCD-V-057
21d		DCD-V-059	DCD-V-059	DCD-V-059
23a		NBB-VIII-83-2A	NBB-VIII-83-2A	NBB-VIII-83-2A
23b		NBB-VIII-85-2A	NBB-VIII-85-2A	NBB-VIII-85-2A
23d		NBB-IX-257A	NBB-IX-257A	NBB-IX-257A
23e		NBB-IX-259-3A	NBB-IX-259-3A	NBB-IX-259-3A
23f		NBB-VIII-87A	NBB-VIII-87A	NBB-VIII-87A
23g		NBB-VIII-89A	NBB-VIII-89A	NBB-VIII-89A

29a		ANM-I-105	ANM-I-105	ANM-I-130
29b		WBL-III-083C-H	WBL-III-083C-H	WBL-III-083
29c		WBL-III-073-C-H	WBL-III-073-C-H	WBL-III-073
29d		WBL-II-253	WBL-II-253	WBL-II-253
30a		ANM-I-110	ANM-I-110	ANM-I-109
30b		WBL-III-085-C-H	WBL-III-085-C-H	WBL-III-085
30c		WBL-III-077-C-H	WBL-III-077-C-H	WBL-III-077
30d		WBL-II-267-H_C	WBL-II-267-H_C	WBL-II-267
41		NBB-VIII-153A	NBB-VIII-153A	NBB-VIII-153A
44		NBB-VIII-247B	—	NBB-VIII-247B
45a		char_DCD-III_251	char_DCD-III_251	char_DCD-III_251

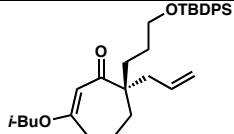
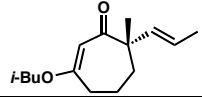
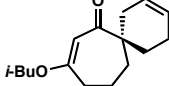
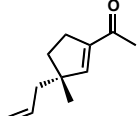
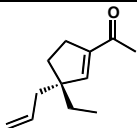
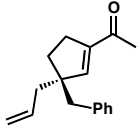
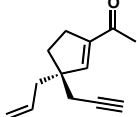
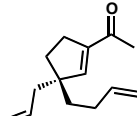
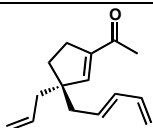
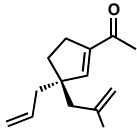
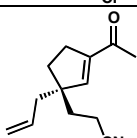
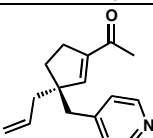
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46a		char_DCD-IV-021	char_DCD-IV-021	char_DCD-IV-021
46b		DCD-IV-201	DCD-IV-201	DCD-IV-201
48b		WBL-III-075-2	WBL-III-041H-C	WBL-III-041
48c		WBL-III-065-1-C-H	WBL-III-065-1-C-H	WBL-III-065-1
48d		WBL-II-249-2	WBL-II-249-2	—
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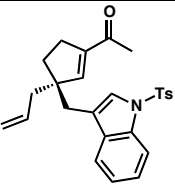
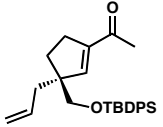
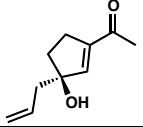
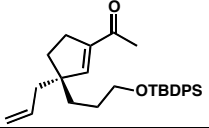
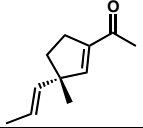
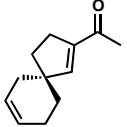
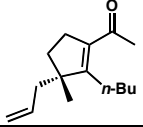
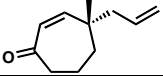
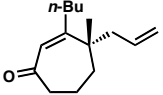
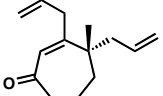
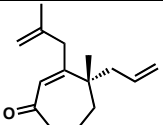
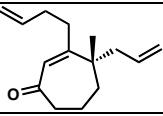
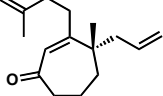
Table A7.2. Notebook cross-reference for compounds in Chapter 2.

compound	chemical structure	¹ H NMR	¹³ C NMR	IR
14a		AYH-VIII-137A	AYH-VIII-137A	AYH-VIII-137A
22a		AYH-VIII-139A	AYH-VIII-139A	AYH-VIII-139A
24a		MRK_VI_227B_1H	MRK_VI_227B_13C	IBuOTsujiSub2
24b		AYH-V-285A	AYH-V-285A	AYH-V-285A
24c		AYH-V-293Bnew	AYH-V-293B	AYH-V-293B
24d		AYH-VI-71B	AYH-VI-71B	AYH-VI-71B

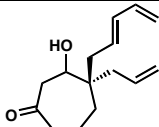
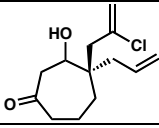
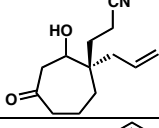
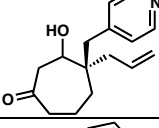
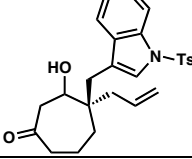
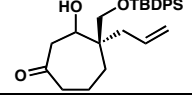
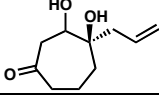
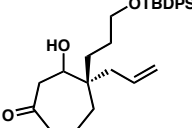
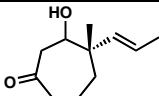
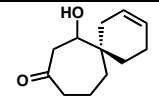
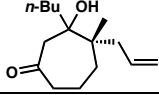
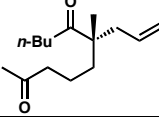
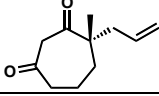
24e		AYH-VI-273A	AYH-VI-273A	AYH-VI-273A
24f		AYH-VI-105Anew	AYH-VI-105A	AYH-VI-105A
24g		AYH-VI-151Anew	AYH-VI-151A	AYH-VI-151A
24h		AYH-VI-183Bnew	AYH-VI-147D	AYH-VI-147D
24i		AYH-VII-49B2	AYH-VII-49B2	AYH-VII-49B2
24j		AYH-VII-127B	AYH-VII-127B	AYH-VII-127B
24k		AYH-VI-257Bnew	AYH-VI-257B	AYH-VI-257B
24l		AYH-VI-37Ax	AYH-VI-37A	AYH-VI-37A
24m		AYH-VI-251Bx3	AYH-VI-251Bx3	AYH-VI-237B
24n		AYH-VI-225Bnew	AYH-VI-225B	AYH-VI-225B
24ac		AYH-VII-117B	AYH-VII-117B	AYH-VII-117B
24ad		AYH-VI-233Bnew	AYH-VI-233B	AYH-VI-233B2
27a		MRK_VII_ 33B_1H	MRK_VII_ 33B_13C	MRK_VII_33B

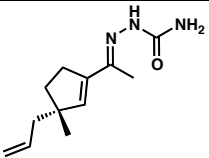
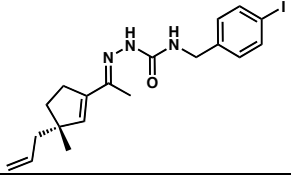
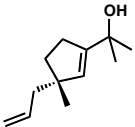
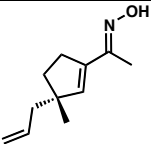
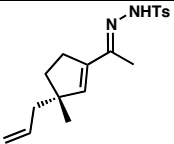
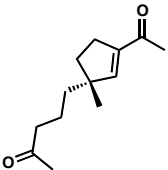
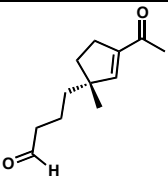
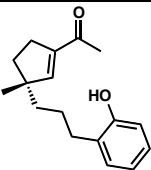
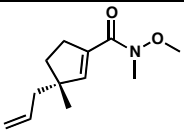
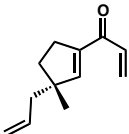
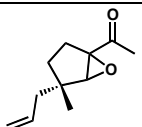
27b		AYH-VI-29A	AYH-VI-29A	AYH-VI-29A
27c		AYH-VI-27A	AYH-VI-27A	AYH-VI-27A
27d		AYH-VI-101A	AYH-VI-73A	AYH-VI-73A
27e		AYH-VI-279A	AYH-VI-279A	AYH-VI-279A
27f		AYH-VI-125A	AYH-VI-121A	AYH-VI-121A
27g		AYH-VI-165Anew	AYH-VI-165A	AYH-VI-165A
27h		AYH-VI-155Bnew	AYH-VI-157B	AYH-VI-157B
27i		AYH-VII-57Cnew	AYH-VII-53C	AYH-VII-53C
27j		AYH-VII-135Bx	AYH-VII-135Bx	AYH-VII-135Bx
27k		AYH-VI-269A	AYH-VI-269A	AYH-VI-269A
27l		AYH-VI-61Anew	AYH-VI-43A	AYH-VI-43A
27m		AYH-VI-255A	AYH-VI-255A	AYH-VI-255A
27n		AYH-VI-229Bnew	AYH-VI-229B	AYH-VI-229B

27o		AYH-VIII-295Ax	AYH-VIII-295Ax	AYH-VIII-207A
27p		TJ-VII-127B	TJ-VII-101	TJ-VII-101
27q		AYH-VIII-233A	AYH-VIII-219B	AYH-VIII-219B
53a		TJ_III_67_1H	TJ_III_67_13C	TJ_III_67
53b		AYH-VI-99A	AYH-VI-99A	AYH-VI-99A
53c		AYH-VI-59A	AYH-VI-59A	AYH-VI-59A
53d		AYH-VI-113Ax	AYH-VI-113A	AYH-VI-113A
53e		AYH-VI-291A	AYH-VI-291A	AYH-VI-291A
53f		AYH-VIII-293A	AYH-VI-133A	AYH-VI-133A
53g		AYH-VI-169A	AYH-VI-169A	AYH-VI-169A
53h		AYH-VI-163A	AYH-VI-163A	AYH-VI-163A
53i		AYH-VIII-303A	AYH-VIII-303A	AYH-VIII-277Ax

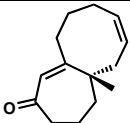
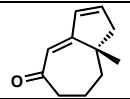
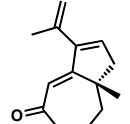
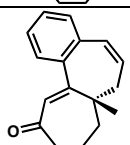
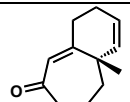
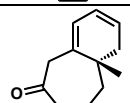
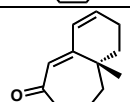
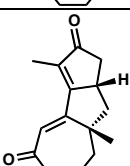
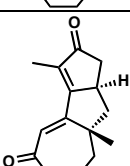
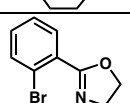
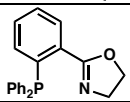
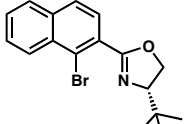
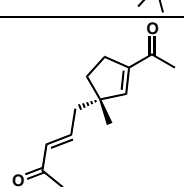
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53m		AYH-VIII-163A	AYH-VIII-163A	AYH-VI-289A
53n		AYH-IX-107B	AYH-IX-107B	AYH-IX-107B
53o		AYH-VIII-215A	AYH-VIII-215A	AYH-VIII-215A
53p		TJ-VII-141	TJ-VII-141	TJ-VII-141
53q		AYH-VIII-223A	AYH-VIII-223A	AYH-VIII-223A
53r		NBB-V-227A	NBB-V-227A	NBB-V-227A
55a		TJ-III-55A	TJ-III-55A	TJ-III-55A
55r		NBB-II-57B	NBB-I-161	NBB-II-227B
55t		NBB-VI-51B	NBB-VI-51B	NBB-VI-41B
55u		NBB-VI-79B	NBB-VI-79B	NBB-VI-79B
55v		NBB-VI-97C	NBB-VI-97C	NBB-VI-97C
55w		NBB-V-301B	NBB-V-301B	NBB-V-301B

55x		NBB-VI-85A	NBB-VI-85A	NBB-VI-85A
55y		NBB-VI-245-2B	NBB-VI-245-2B	NBB-VI-245-2B
55z		NBB-VI-69-2A	NBB-VI-69-2A	NBB-VI-69-2A
55aa		NBB-VI-223-2B	NBB-VI-223-2B	NBB-VI-223-2B
55ab		NBB-VI-123-2A	NBB-VI-123-2A	NBB-VI-123-2A
55ac		NBB-VI-63B	NBB-VI-63B	NBB-VI-63B
66		MRK_VI_201B_1H	MRK_VI_201B_13C	MRK_VII_135B
67		MRK-XI-133 flash again	MRK-XI-133 flash again	MRK-XI-133 flash
68		AYH-VIII-141A	AYH-VIII-141A	AYH-VIII-141A
70a		TJ-III-55B	TJ-III-55B	TJ-III-55B
70b		AYH-VI-97B	AYH-VI-97B	AYH-VI-97B
70c		AYH-VI-57B	AYH-VI-57B	AYH-VI-57B
70d		AYH-VI-111B	AYH-VI-111B	AYH-VI-111B
70e		AYH-VI-287B	AYH-VI-287B	AYH-VI-287B

70f		AYH-VI-131B	AYH-VI-131B	AYH-VI-131B
70g		AYH-VI-167B	AYH-VI-167B	AYH-VI-167B
70h		AYH-VI-161C	AYH-VI-161C	AYH-VI-161C
70i		AYH-IX-53C	AYH-IX-53C	AYH-IX-53C
70j		AYH-VII-137AB	AYH-VII-137AB	AYH-VII-137AB
70m		AYH-VI-161BC	AYH-VI-161BC	AYH-VI-161BC
70n		AYH-IX-105F	AYH-IX-105F	AYH-IX-105F
70o		AYH-VIII-213A	AYH-VIII-213A	AYH-VIII-213A
70p		TJ-VII-133B	TJ-VII-133B	TJ-VII-103B
70q		AYH-VIII-221B	AYH-VIII-221B	AYH-VIII-221B
70r		NBB-II-41C	NBB-II-61B	NBB-II-61B
72r		NBB-VII-39A	NBB-VII-39A	NBB-VII-39A
77		AYH-X-245E	AYH-X-245E2	AYH-X-245E2
79		NBB-VI-281A	NBB-VI-281A	NBB-VI-281A

80		TJ-III-83E	TJ-III-83E	TJ-III-83E
81		TJ-III-135B	TJ-III-135B	TJ-III-135B
82		TJ-VIII-249	TJ-VIII-249	TJ-VIII-249
83		AYH-VIII-157C	AYH-VIII-157C	AYH-VIII-157C
84		AYH-VIII-151Cx	AYH-VIII-151C	AYH-VIII-151C
85		AYH-VIII-75A	AYH-VIII-75Ax2	AYH-VIII-75A
86		AYH-VIII-111Bx	AYH-VIII-111B	AYH-VIII-111Bx2
87		TJ-VII-303A	TJ-VII-303A	TJ-VII-303A
88		AYH-VII-119A	AYH-VII-119A	AYH-VII-119A
89		AYH-VIII-79A	AYH-VII-173C	AYH-VII-173Cx
90		TJ-VII-177	TJ-VII-177	TJ-VII-177

91		TJ-VIII-225	TJ-VIII-225	TJ-VIII-225
92		TJ-VIII-87	TJ-VIII-87	TJ-VIII-87
93		AYH-IX-59B	AYH-IX-59B	AYH-IX-59B
95		AYH-IX-93B	AYH-IX-93B	AYH-IX-93B
97		AYH-VIII-253D	AYH-VIII-253D	AYH-VIII-253D
100		TJ-VIII-101B	TJ-VIII-101B	TJ-VII-41
102		TJ-VIII-181	TJ-VIII-181	TJ-VIII-181
110		NBB-VI-299A	NBB-VI-299A	NBB-VI-299A
111t		NBB-VI-167B	NBB-VI-167B	NBB-VI-167B
111u		NBB-VI-113A	NBB-VI-113A	NBB-VI-113A
111v		NBB-VI-101A	NBB-VI-101A	NBB-VI-101A
111w		NBB-VI-65A	NBB-VI-65A	NBB-VI-65A

111x		NBB-VI-93-2B	NBB-VI-93-2B	NBB-VI-93-2B
111y		NBB-VI-255C	NBB-VI-255C	NBB-VI-255B
111z		NBB-VI-89A	NBB-VI-89A	NBB-VI-89A
111aa		NBB-VI-199A	NBB-VI-199A	NBB-VI-199A
114		NBB-VI-215A	NBB-VI-215A	NBB-VI-215A
115		NBB-VI-187-2A	NBB-VI-187A	NBB-VI-187A
116		NBB-VI-249B	NBB-VI-243-2B	NBB-VI-249B
117a		NBB-VI-213B	NBB-VI-213B	NBB-VI-213B
117b		NBB-VI-213F	NBB-VI-213F	NBB-VI-213F
127		TJ-I-91	TJ-I-91	TJ-I-91-3
128		TJ-PHOX	TJ-PHOX	TJ-I-263A
129		TJ-III-143A	TJ-III-143	TJ-III-143
130		AYH-VII-293F	AYH-VII-293F	AYH-VII-293F

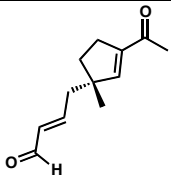
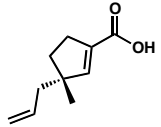
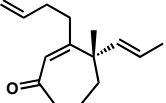
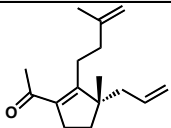
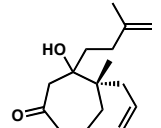
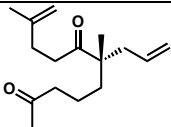
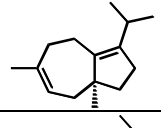
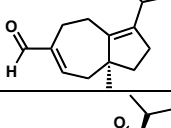
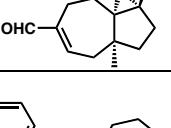
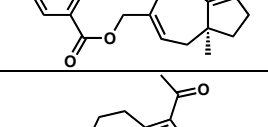
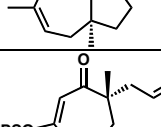
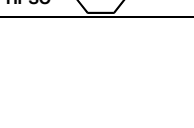
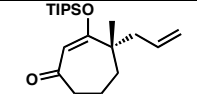
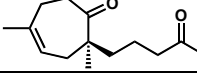
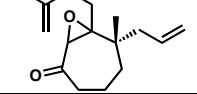
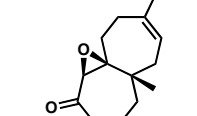
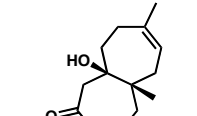
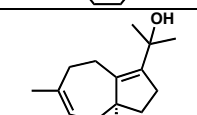
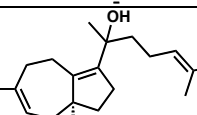
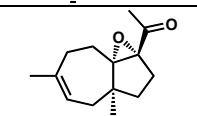
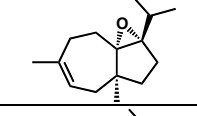
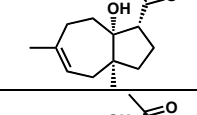
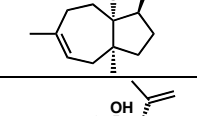
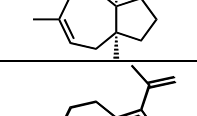
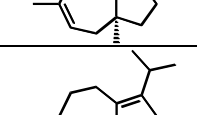
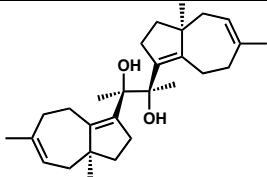
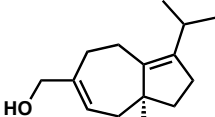
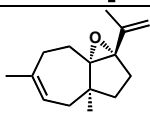
131		AYH-VIII-109C	AYH-VIII-109C	AYH-VIII-109C
132		AYH-VI-191B	AYH-VI-191B	AYH-VI-191B
133		NBB-VI-207B	NBB-VI-207B	NBB-VI-207B

Table A7.3. Notebook cross-reference for compounds in Chapter 3.

compound	chemical structure	¹ H NMR	¹³ C NMR	IR
53w		NBB-IV-125B	NBB-IV-125B	NBB-IV-125B
70w		NBB-V-67-2B	—	NBB-V-67-2B
72w		NBB-VIII-243-3A	NBB-VIII-243-3A	NBB-VIII-243-3A
142		NBB-IX-231D	NBB-IX-231D	NBB-IX-231D
143		NBB-IX-275A	NBB-IX-261-2A	NBB-IX-261-2A
144b		NBB-X-149B	NBB-X-149B	NBB-X-149B
145		NBB-X-29A	NBB-X-29A	NBB-X-29A
223		NBB-IX-139B	NBB-VIII-257A	NBB-VIII-257A
230a		NBB-V-221A	NBB-V-221A	NBB-V-221A

230b		NBB-IX-65C	NBB-V-221C	NBB-IX-65C
235		NBB-IX-137B	NBB-VIII-255B	NBB-VIII-255B
249		NBB-IX-113A	—	NBB-IX-113A
250		NBB-X-25-2A	NBB-X-25-2A	NBB-X-25-2A
251		NBB-X-77C	NBB-X-77C	NBB-X-77C
252		NBB-IX-161B	NBB-IX-161B	NBB-IX-161B
253		NBB-IX-229D	—	NBB-IX-229D
255		NBB-IX-177A	NBB-IX-177A	NBB-IX-177A
256		NBB-X-147A	NBB-X-147A	NBB-X-147A
257a		NBB-IX-235C	NBB-IX-235C	NBB-IX-235C
257b		NBB-X-63G	NBB-X-63G	NBB-X-63G
259		NBB-X-127A	NBB-X-127A	NBB-X-127A
260		NBB-IX-233A	NBB-IX-233A	NBB-IX-233A
261		NBB-IX-231B	NBB-IX-231B	NBB-IX-231B

262		NBB-IX-233E	NBB-IX-233E	NBB-IX-233E
263		NBB-IX-275C_D	NBB-IX-275C_D	NBB-IX-275C+D
264		NBB-X-97A	NBB-X-97A	NBB-X-97A