

APPENDIX 5

Notebook Cross-Reference

NOTEBOOK CROSS-REFERENCE FOR NEW COMPOUNDS

The following cross-reference provides the file name for each piece of original spectroscopic data obtained for the compounds presented in this thesis. For each compound, both hard copy and electronic characterization folders containing the original ^1H NMR, ^{13}C NMR, and IR spectra have been created. All notebooks and spectroscopic data are stored in the Stoltz research group archive.

Table A5.1 Compounds in Chapter 2 – Enantioselective Total Synthesis of Cyanthiwigin Diterpenoids

Compound	^1H NMR	^{13}C NMR	IR
187	JAEVIII-157A	JAEVIII-157A-13C	JAEVIII-157A
189	JAEVIII-161B	JAEVIII-161B-13C	JAEVIII-161B
186	JAEVIII-183B	JAEVIII-183B-13C	JAEVIII-183B
185	JAEVII-301X	JAEVII-301X-13C	JAEVII-301X
194	JAEVIII-211C	JAEXIV-195X-13C	JAEVIII-211C
195	JAE-Enoate-X-1H	JAE-Enoate-X-13C	JAE Enoate B
196	JAE-XIV-Carb-Heck-B-1H	JAE-XIV-Carb-Heck-B-13C	JAEXIV-Carb Heck B
197	JAE-Carb-Heck-C-1H	JAE-Carb-Heck-C-13C	JAE-Carb Heck C
198	JAE-Alkyne-B-1H	JAE-Alkyne-B-13C	JAE Alkyne B
200	JAE-Ketone-B-1H	JAE-Ketone-B-13C	JAE Ketone B
204(A)	JAE-Stille-Enone-C-1H	JAE-Stille-Enone-C-13C	JAE-Stille-Enone-C
204(B)	JAE-Stille-Enone-D-1H	JAE-Stille-Enone-D-13C	JAE Stille Enone D
183	JAEVIII-89B	JAEVIII-89B-13C	JAEVIII-89B
181	JAEVIII-131B	JAEXIV-199X-13C	JAEVIII-131B
209	JAEXIV-299B	JAEXIV-299B-13C	JAEXIV-299B
208	JAEVIII-91B	JAEVIII-91B-13C	JAEVIII-131DI
214	JAEVIII-159H	JAEVIII-159H-13C	JAEVII-299D
217	JAEVIII-203B	JAEVIII-203B-13C	JAEVIII-203B

160	JAEVIII-79C	JAEVIII-79C-13C	JAEVIII-79C
218	JAEXIX-43B	JAEXIX-43B-13C	JAEVIII-33B
220	JAEXIII-51B	JAEXIII-51B-13C	JAEXIII-57B
221(A)	JAEXIII-59C2	JAEXIII-59C2-13C	JAEXIII-59C2
221(B)	JAEXIII-59D2	JAEXIII-59D2-13C	JAEXIII-59D2
156	JAEXI-69B	JAEXI-69B-13C	CyanF-C
222	JAEXIII-187C	JAEXIII-187C-13C	JAEXIII-187C
161	JAEXIII-203BII	JAEXIII-203BII-13C	JAEXIII-203BII

Table A5.2 Compounds in Chapter 3 – A Mathematical Examination of Multiple Asymmetric Transformations: Statistical Amplification and the Horeau Principle

Compound	¹H NMR	¹³C NMR	IR
281	JAEXIII-159B	JAEXIII-159B-13C	JAEXIII-159B
282	JAEXIV-223B	JAEXIV-223B-13C	JAEXIV-223B
287(A)	JAEXIV-205F	JAEXIV-205F-13C	JAEXIV-205DA
287(B)	JAEXIV-205G	JAEXIV-205G-13C	JAEXIV-205DBx
290	JAEXI-285B	JAEXI-285B-13C	JAEXIV-285B
288	JAEXI-291B	JAEXI-291B-13C	JAEXI-291B
289	JAEXIV-227B	JAEXIV-227B-13C	JAEXIV-227B