

APPENDIX FIVE

Notebook Cross-Reference for New Compounds[†]

Table A5.1 Compounds in Chapter Two: The First Total Synthesis of (-)-Lemonomycin

Compound	¹ H NMR	¹³ C NMR	IR
128	ERA-VIII-59.1	ERA-VIII-59.1	ERA-VIII-59.1
129	ERA-V-33.1	ERA-V-33.1	ERA-V-33.1
119	ERA-XIV-125.1	ERA-XIV-125.1	ERA-XIV-125.1
132	ERA-XIV-129.1	ERA-XIV-129.1	ERA-XIV-129.1
133	ERA-XIV-71.1	ERA-XIV-71.1	ERA-V-37.3
136	ERA-XIV-71.3	ERA-XIV-71.3	ERA-XV-85.1
138	ERA-XIV-133.1	ERA-XIV-133.1	ERA-XIV-133.1
149	ERA-IX-129.1	ERA-IX-129.1	ERA-IX-129.1
150	ERA-IX-201.1	ERA-IX-201.1	ERA-IX-201.1
147	ERA-VIII-35.1	ERA-VIII-35.1	ERA-VIII-35.1
157	ERA-V-223a	ERA-V-223a	ERA-V-223a
154	ERA-V-219.1	TYL-I-179.1	TYL-I-179.1
156	ERA-VIII-135.1	ERA-VIII-135.1	ERA-VIII-135.1
142	ERA-VI-131.1	ERA-VI-131.1	ERA-VI-131.1
158	ERA-VII-139.1a	ERA-VII-139.1a	ERA-VII-139.1a
159	ERA-VIII-249.1	ERA-VIII-249.1	ERA-VIII-249.1
161	ERA-VIII-259.1	ERA-VIII-259.1	ERA-VIII-259.1
162	ERA-VII-221.1	ERA-VII-221.1	ERA-VII-233.1
163	ERA-VII-229.1	ERA-VII-229.1	ERA-VII-229.1
165	ERA-VI-150.2		
168	ERA-VII-269.1	ERA-VII-245.1	ERA-VII-245.1
169	ERA-VII-247.1	ERA-VII-247.1	ERA-VII-247.1
167	ERA-X-249.1	ERA-X-249.1	ERA-X-249.1
172	ERA-IX-151.1	EGC-III-Weinreb	EGC-III-Weinreb
173	ERA-IX-155.1	EGC-II-41	EGC-II-41
174	ERA-IX-153.1	EGC-III-81.3	EGC-III-81.3
175	ERA-IX-177.1	EGC-II-63.1	EGC-II-63.1
176	ERA-IX-251.1	EGC-II-137.2	EGC-III-87.2
179	ERA-IX-273.1	EGC-III-91.1	EGC-III-91.1
180	ERA-IX-299.1	EGC-III-95.2	EGC-III-95.2
181	ERA-IX-275.1	EGC-III-97.1	EGC-III-97.1
166	ERA-X-79.3	EGC-III-99.1	ERA-X-227.1
182	ERA-X-141.1a	ERA-X-81.1	ERA-X-141.1
184	ERA-X-49.1		
186	ERA-X-247.1	ERA-X-247.1	ERA-X-247.1
187	ERA-X-125.1		
1	ERA-X-259.1	ERA-X-259.1	ERA-X-259.1
iii	ERA-X-237.1		

Table A5.2 Compounds in Chapter Three: Progress Toward the Synthesis of

(+)–Cyanocycline A

Compound	¹ H NMR	¹³ C NMR	IR
207	ERA-XIV-167.1	ERA-XIV-167.1	ERA-XIV-167.1
204	ERA-XV-41.1	ERA-XV-41.1	ERA-XV-41.1
209	ERA-XV-43.1	ERA-XV-43.1	ERA-XV-43.1
211	ERA-XV-51.1a	ERA-XV-51.1	ERA-XV-51.1
212	ERA-XV-49.1	ERA-XV-49.1	ERA-XV-49.1
203	ERA-XV-59.1	ERA-XV-59.1	ERA-XV-59.1
213	ERA-XIV-163.1	ERA-XIV-163.1	ERA-XIII-299.1
201	ERA-XV-61.2	ERA-XV-61.2	ERA-XV-61.2
225	ERA-XIV-115.1	ERA-XIV-115.1	ERA-XIV-123.1
223	ERA-XIV-131.1H	ERA-XIV-131.1c2	ERA-XIV-131-1aa
224	ERA-XIII-31.1	ERA-XIV-157.1	ERA-XIV-157.1
222	ERA-XIV-159.1	ERA-XIV-159.1	ERA-XIV-159.1
221	ERA-XIV-165.1	ERA-XIV-165.1	ERA-XIV-165.1
255	ERA-XIV-187.1	ERA-XIV-187.1	ERA-XIV-187.1
226	ERA-XIV-177.1	ERA-XIV-177.1	ERA-XIV-177.1
220	ERA-XIV-185.1	ERA-XIV-185.1	ERA-XIV-185.1
227	ERA-XV-35.1	ERA-XV-35.1	ERA-XV-35.1
228	ERA-XV-63.1	ERA-XV-45.1	ERA-XV-45.1
237	ERA-XIV-271.1a	ERA-XIV-271.1a	ERA-XIV-271.1a
248	KMA-II-279.3	KMA-III-85.1	KMA-III-85.1
250	KMA-III-107.2	KMA-III-105.2c	KMA-III-79.3

† Compounds are listed in the order of appearance in appendices two and four.