APPENDIX 5

Notebook Cross-References

NOTEBOOK CROSS-REFERENCE FOR NEW COMPOUNDS

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 containing the original ^{1}H NMR, ^{13}C NMR, ^{19}F 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 – Orthogonal Synthesis of Indolines and Isoquinolines via Aryne Annulation*

Compound	^{1}H NMR	^{13}C NMR	IR
263	CDGVII-93D	CDGVII-193D-C13	CDGVII-119
265a,b	CDGVII-123E	CDGVII-123D-C13	CDGVI-225
267	CDGVII-117B	CDGVII-121B-C13	CDGVII-117
269	CDGVII-219B	CDGVII-219B-C13	CDGVII-065_Phe
282	CDGVII-47G	CDGVII-47G-C13	CDGVII-47
291a	CDGVI-299_char	CDGVI-299c_char	CDGVI-299
291b	CDGVII-65	CDGVII-65-C13	CDGVII-65
291c	CDGVII-211_char	CDGVII-211c_char	CDGVII-211
291d	CDGV-275G-2	CDGV-275G-2-C13	CDGV-275
291e	CDGVI-265E-2	CDGVI-265E-3-C13	CDGVI-265
291f	CDG-CF3_isoquin	CDGVII-CF3-C13	CDG-CF3IQ
291g	KMA-X-229.2	KMA-X-229.2.c	KMA-X-229.2
291h	CDGVII-149_char	CDGVII-149c_char	CDGVII-149
291i	PMT-XII-241	PMT-XII-241	PMT-XII-241
292a	CDGVI-257E	CDGVI-257E-C13	CDGVI-257
292b,c	CDGV-287E	CDGV-287E-C13	CDGV-287
292d	CDGV-291_char	CDGV-291G-C13	CDGVI-291_sesamol
292e	CDGVII-31	CDGVII-31c	CDGVII-031
292f	CDGXXI-147B-C13	CDGXXI-147B-C13	CDGXXI-135C
292g	CDGVIII-57B-6	CDGVIII-57C	CDGVIII-57D

298a	CDGVII-221	CDGVI-273E	CDGVI-273
298b	KMA-X-35.4	KMA-X-35.4c	KMA-IX-35.4
298c	KMA-X-175.5	KMA-X-175.5c	KMA-X-175.5
A1-1	KMA-X-175.2	KMA-X-175.2c	KMA-X-175.2
298d	KMA-X-179.4	KMA-X-179.4c	KMA-X-179.4
A1-2	KMA-X-179.1	KMA-X-179.1.1c	KMA-X-179.1.1
298e	CDGVII-253B-5	CDGVII-243B-5-C13	CDGVII-243
298f	KMA-IX-191.2	KMA-IX-191.2c	KMA-IX-163.1
A1-4	KMA-IX-265.3	KMA-IX-265.3c	KMA-IX-265.2
A1-5	KMA-IX-171.5	KMA-IX-171.5c	KMA-IX-171.2
302	KMA-IX-261.2	KMA-IX-261.2c	KMA-IX-177.2
303	KMA-IX-271.g	KMA-IX-269.2c	KMA-IX-235.2
304	KMA-IX-273.5	KMA-IX-273.4c	KMA-IX-255.5
322a	KMA-XVII-75.1	KMA-XVII-75.1c	KMA-XVII-75.1
322b	KMA-XVII-57.1	KMAXVII-57.1c	KMA-XVII-57.1
322c	KMA-XVI-219.2	KMA-XVI-219.2c	KMA-XVI-219.1
322d	KMA-XVII-95.1	KMA-XVII-95.1c	KMA-XVII-95.1
322e	CDGXXII-187b	CDGXXII-185b-C13	CDGXXII-187b
314	CDGXXI-255B-4	CDGXXI-255B-4	CDGXXI-255B-4
323	CDGIX-237D-1-C13	CDGIX-237D-1-C13	CDGIX-237D-1

Table A5.2. *Compounds in Chapter 3 – Progress Toward the Total Synthesis of Jorumycin*

Compound	**^{1}H NMR**	**^{13}C NMR**	**IR**
432	PMT-XII-227	PMT-XII-227	PMT-XII-227
291i	PMT-XII-241	PMT-XII-241	PMT-XII-241
434	PMT-XII-245	PMT-XII-245	PMT-XII-245
439	PMT-XII-225	PMT-XII-225	PMT-XII-225
443	CDGXXII-043C-3	CDGXXII-043C-3	CDGXXII-043C-3
464	CDGXII-247	CDGXII-247	CDGXII-247
465	CDGXIV-289C-2	CDGXIV-289C-2	CDGXIV-289
466	CDGXIV-117C	CDGXIV-117C	CDGXIV-117
467	CDGXV-123C-C13	CDGXV-123C-C13	CDGXV-123
468	CDGXV-163C-C13	CDGXIV-273B-201	CDGXIV-273

295	CDGXIV-267B	CDGXIV-293D-C13	CDGXIV-293
469	CDGXIV-299C	CDGXIV-299C-C13	CDGXIV-299
426	CDGXXI-131B-1-C13	CDGXXI-131B-1-C13	CDGXXI-131C
292f	CDGXXI-147B-C13	CDGXXI-147B-C13	CDGXXI-135C
428	CDGXII-075-SM-C13	CDG-PMT-12-079	PMT-12-079
427	CDGXXI-107B-2	CDGXXI-107B-2-C13	CDGXXI-107B-2
474	CDGXX-213b-5	CDGXX-213b-5	CDGXX-213b-5

Table A5.3. *Compounds in Chapter 4 – Benzannulated Bicycles by Three-Component Aryne Reactions*

Compound	^{1}H NMR	^{13}C NMR	IR
546	KMA-XI-43.3	KMA-XI-43.3c	KMA-XI-187.2
548a	KMA-XIV-35.2	KMA-XIV-35.2c	KMA-XIV-35.2
548b	KMA-XI-45.3	KMA-XI-45.3c	KMA-XIV-31.2
548c	KMA-XI-47.3	KMA-XI-47.3c	KMA-XIII-301.4
548d	KMA-XI-111.4	KMA-XI-111.4c	KMA-XI-111.2
548e	KMA-XIII-263.5	KMA-XIII-263.5c	KMA-XIII-263.6
548f	KMA-XII-27.5	KMA-XII-27.5c	KMA-XII-27.3
548g	KMA-XV-279.1	KMA-XV-279.1c	KMA-XIV-63.1
548h	KMA-XV-283.3	KMA-XV-283.1c	KMA-XV-283.1
548i	KMA-XII-75.2	KMA-XII-75.2c	KMA-XII-75.2
548j	KMA-XIV-65.2	KMA-XIV-65.5	KMA-XIV-65.2
548k	KMA-XIII-271.4	KMA-XIII-271.4c	KMA-XIII-271.4
548l	KMA-XVI-139.3	KMA-XVI-139.4c	KMA-XVI-139.4
548m	KMA-XVI-137.3	KMA-XVI-137.4c	KMA-XVI-137.4
548n	KMA-XVI-75.3	KMA-XVI-75.1c	KMA-XVI-75.3
548o	KMA-XVI-77.2	KMA-XVI-77.1c	KMA-XI-77.2
548p	KMA-XIV-139.1	KMA-XIV-139.1c	KMA-XIV-139.1
548q	KMA-XVI-41.1	KMA-XVI-41.1c	KMA-XVI-41.1
548r	KMA-XVI-21.7	KMA-XVI-21.7c	KMA-XVI-21.7
548s	KMA-XIV-117.3	KMA-XIV-117.6.c	KMA-XIV-117.6
548t	KMA-XIV-141.2	KMA-XIV-141.2c	KMA-XIV-141.2
548u	KMA-XVI-29.5	KMA-XVI-29.5c	LMA-XVI-29.5

552a	KMA-XVI-87.1	KMA-XVI-87.1c	KMA-XVI-87.1
552b	KMA-XVI-85.1	KMA-XVI-85.1c	KMA-XVI-85.1
552c	KMA-XVI-145.5	KMA-XVI-145.5c	KMA-XVI-145.5
552d	KMA-XVI-161.7	KMA-XVI-161.7c	KMA-XVI-161.7
552e	KMA-XVI-57.2	KMA-XVI-57.2c	KMA-XVI-57.2
552f	KMA-XVI-173.6	KMA-XVI-173.6c	KMA-XVI-173.6
A3-2	KMA-XVI-175.5	KMA-XVI-175.5c	KMA-XVI-175.5
552g	KMA-XVI-175.5	KMA-XVI-175.5c	KMA-XVI-175.5
554a	KMA-XVI-169.1	KMA-XVI-169.1c	KMA-XVI-169.1
554b	KMA-XVI-179.1	KMA-XVI-179.1c	KMA-XVI-179.1
554c	KMA-XVI-177.1	KMA-XVI-177.1c	KMA-XVI-177.1
566a	CDGXV-133	CDGXV-133-C13	CDGXV-133
566b	CDGXV-127	CDGXV-127-C13	CDGXV-127
566c	CDGXV-175	CDGXV-175-C13	CDGXV-175
566d	CDGXV-285_hplcD-4	CDGXV-285_hplcD-4-C13	CDGXV-285
566e	CDGXV-165C	CDGXV-165C-C13	CDGXV-165C
566f	CDGXV-289	CDGXV-289-C13	CDGXV-290
566g	CDGXV-287-hplcA-3	CDGXV-287-C13	CDGXC-287
566h	CDGXV-169	CDGXV-169-C13	CDGXV-169
566i	CDGXV-291-C13	CDGXV-291-C13	CDGXV-291
558	CDGXV-141	CDGXV-141-C13	CDGXV-141
569a	CDGXVIII-177C-2	CDGXVIII-177C-2	CDGXVIII-177C-2
569b	CDGXVIII-177C-1	CDGXVIII-177C-1	CDGXVIII-177C-1