

APPENDIX 5

Notebook Cross-Reference

This section contains notebook cross-references in order to streamline perusal of all original spectroscopic data. These data are presented according to chapter, and comprise ^1H , ^{13}C , and 2D NMR spectra as well as IR spectra. All relevant notebooks can be found in the Stoltz group archive. Additionally, all relevant electronic data may be accessed on the Stoltz group server.

Table 5.1 Notebook Cross-Reference for Compounds in Chapter 1.2

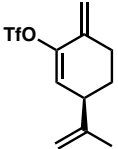
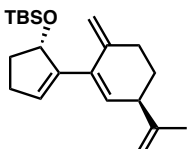
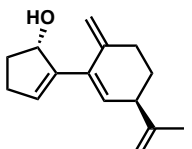
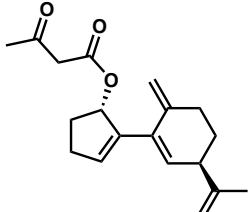
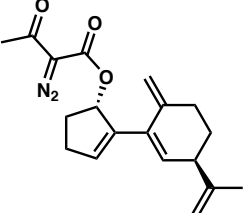
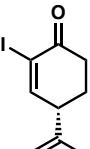
Compound	Structure	Notebook reference	NMR and IR data files
28		CWL-IV-153	CWL-VI-129 CWL-IV-169
31		CWL-IV-171	CWL-VII-41
87		CWL-IV-173	CWL-VII-37-OH
33		CWL-VII-175	CWL-VII-39
34		CWL-VII-177	CWL-VII-37-N2
38		CWL-V-63	CWL-VII-49

Table 5.1 Notebook Cross-Reference for Compounds in Chapter 1.2-Continued

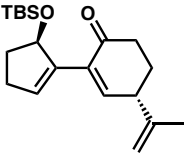
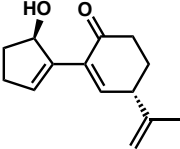
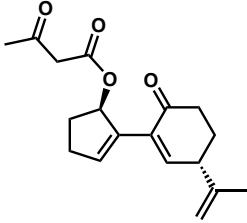
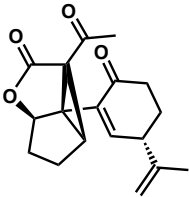
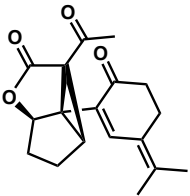
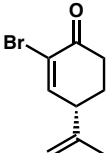
Compound	Structure	Notebook reference	NMR and IR data files
39		CWL-V-49	CWL-VII-51
88		CWL-V-95	CWL-VII-53
40		CWL-V-133	CWL-VII-55
41		CWL-V-113	CWL-V-111C
42		CWL-V-113	CWL-V-111D
43		CWL-VI-97	CWL-VI-97

Table 5.1 Notebook Cross-Reference for Compounds in Chapter 1.2-Continued

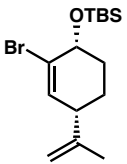
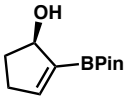
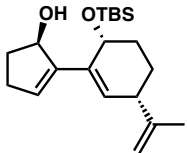
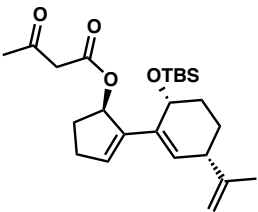
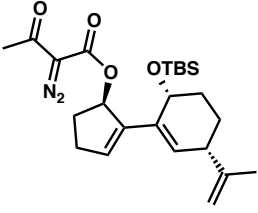
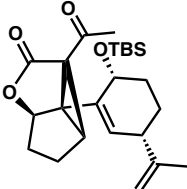
Compound	Structure	Notebook reference	NMR and IR data files
21		CWL-VI-65	CWL-VI-101
44		CWL-VI-147	CWL-VII-15
19		CWL-VI-105	CWL-VI-105
45		CWL-VI-47	CWL-VI-107
18		CWL-VI-49	CWL-VI-109
46		CWL-VI-51	CWL-VI-111

Table 5.1 Notebook Cross-Reference for Compounds in Chapter 1.2-Continued

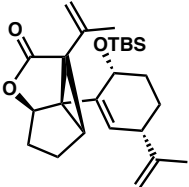
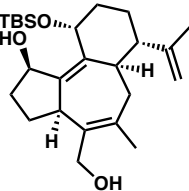
Compound	Structure	Notebook reference	NMR and IR data files
47		CWL-VI-183	CWL-VI-113
49		CWL-VI-185	CWL-VI-115 CWL-VI-185

Table 5.2 Notebook Cross-Reference for Compounds in Chapter 1.3

Compound	Structure	Notebook reference	NMR and IR data files
60		ACW-XIX-023	ACW-XIX-triflatechar
58		ACW-XIX-57	ACW-XIX-XECchar
67		ACW-XIX-	ACW-XIX-amidechar
68		ACW-XIX	ACW-XIX-ketaldehyde
57		CWL-VI-49	CWL-VI-109
70		ACW-XVI-61	ACW-XVI-61

Table 5.2 Notebook Cross-Reference for Compounds in Chapter 1.3-Continued

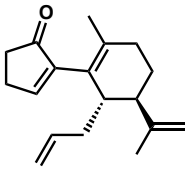
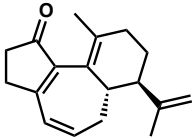
Compound	Structure	Notebook reference	NMR and IR data files
72		ACW-XX-69	ACW-XX-69 ACW-XX-263
73		ACW-XX-247	ACW-XX-247

Table 5.3 Notebook Cross-Reference for Compounds in Chapter 2.2

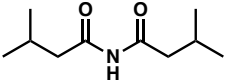
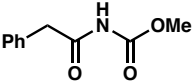
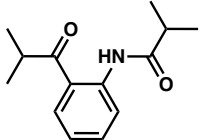
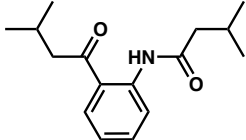
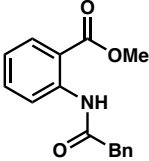
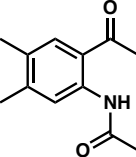
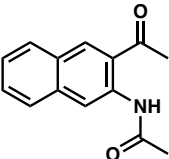
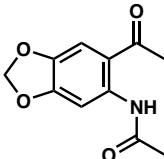
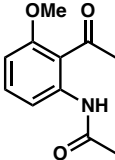
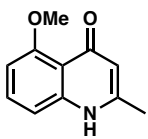
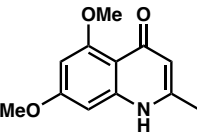
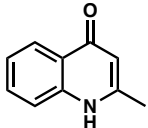
Compound	Structure	Notebook reference	NMR and IR data files
95d		ACW-III-257	ACW-III-257
112		ACW-V-203	ACW-V-203-3
104c		ACW-III-091	ACW-III-091
104d		ACW-III-279	ACW-III-279
104e		ACW-V-275	ACW-V-275
106a		ACW-II-161	ACW-II-161
106b		ACW-II-063	ACW-II-063

Table 5.3 Notebook Cross-Reference for Compounds in Chapter 2.2-Continued

Compound	Structure	Notebook reference	NMR and IR data files
106c		ACW-II-87	ACW-II-87 ACW-II-99
106d		CKH-V-061	CKH-V-061
107c		ACW-V-259	ACW-V-259
107b		CKH-V	CKH-V
107a		CKH-V	CKH-V

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About the Author

Austin C. Wright was born in Scranton, PA on May 1, 1992 as the youngest of three sons of Richard and Sharon Wright. He spent his youngest years across several areas of the country, including Clarks Summit, Pennsylvania; Jonesboro, Arkansas; and Tinley Park, Illinois. He finally settled in Souderton, PA during his teenage years, where he enrolled at the Souderton Area High School. In addition to competing in track and cross-country, he grew a fondness for chemistry after taking an AP Chemistry class with an entertaining and inspiring teacher named Peter Spizzirri.

He then enrolled at the Pennsylvania State University in 2010, where he worked in the laboratory of Professor Steven Weinreb. His undergraduate research was focused on the total synthesis of geissoschizol and several related indole alkaloid natural products. Although the key nickel-catalyzed annulation step proved unsuccessful, the training he received during these studies greatly improved his experimental technique and understanding of organic synthesis.

Upon graduating in 2014 with a B.S. in Chemistry, he moved to Pasadena, California to commence graduate studies at the California Institute of Technology under the guidance of Professor Brian Stoltz. After completing a method for the insertion of arynes into imides, he then gravitated toward the total synthesis of several members of the curcusone family of natural products. During these synthetic studies, he wrote a review on the recent synthetic applications of arynes as well as a novel apparatus for performing small-scale ketalizations.

I must also mention my favorite albums:

Husker Du:Zen Arcade

The Residents:.....God in Three Persons