Fischer carbene catalysis of alkynol cycloisomerization: Application to the synthesis of the altromycin B disaccharide

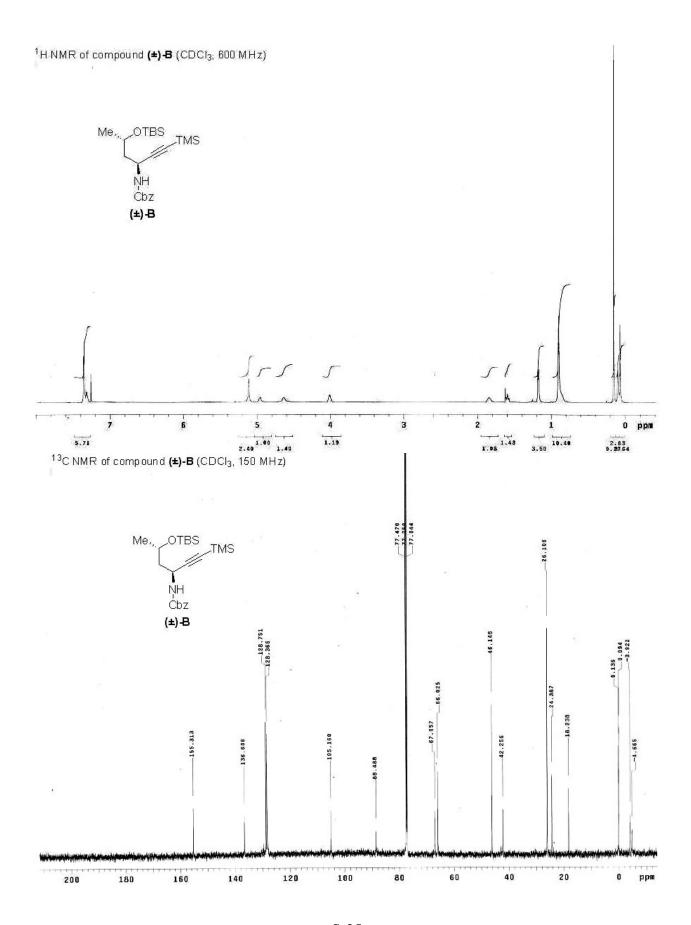
BonSuk Koo and Frank E. McDonald*

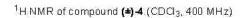
Department of Chemistry, Emory University, Atlanta, GA 30322

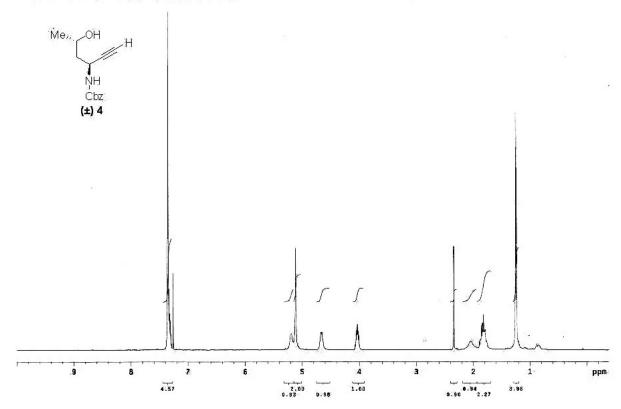
SUPPORTING INFORMATION

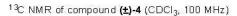
¹H and ¹³C NMR spectra of new compounds (part 2)

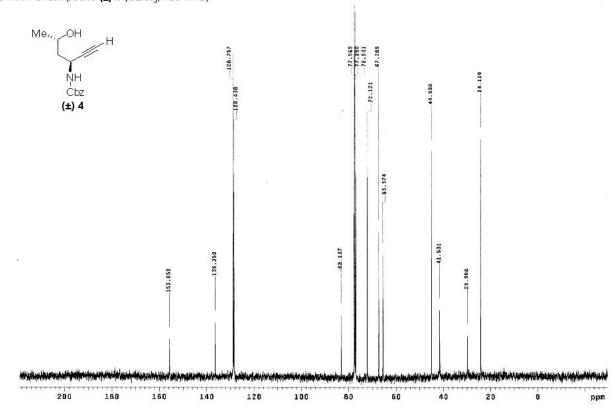
Compound (±)- B	35	Compound L	52
Alkynyl alcohol (±)-4	36	Compound M	53
Glycal (±)- 5	37	Alkynyl alcohol 20c	54
Compound (±)- D	38	Glycal 21c	55
Alkynyl alcohol (±)-6	39	Compound 22c	56
Glycal (±)-7	40	Compound N	57
Compound F	41	Compound O	58
Compound G	42	beta-Lactam 28	59
Compound H	43	Compound P	60
Alkynyl alcohol 8	44	Glycosylated beta-Lactam 29	61
Glycal 9	45	Compound Q	62
Alkynyl alcohol 14	46	Alkynyl ketone 30	63
Glycal 15	47	Compound S	64
Compound K	48	Alkynyl alcohol 31	65
Alkynyl alcohol 20b	49	Disaccharide glycal 32	66
Glycal 21b	50	Compound U	67
Compound 22b	51	Disaccharide glycal 33	68

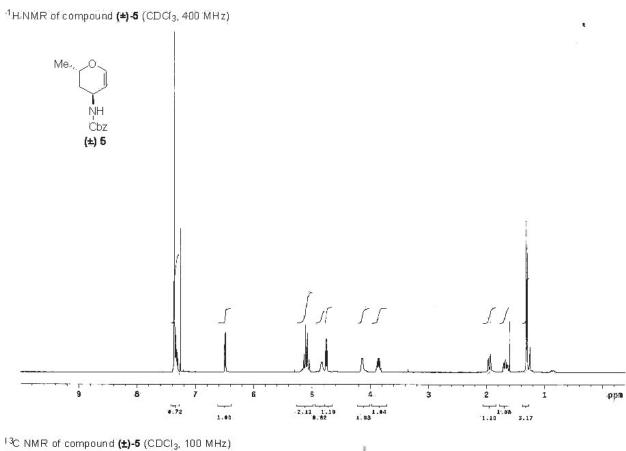


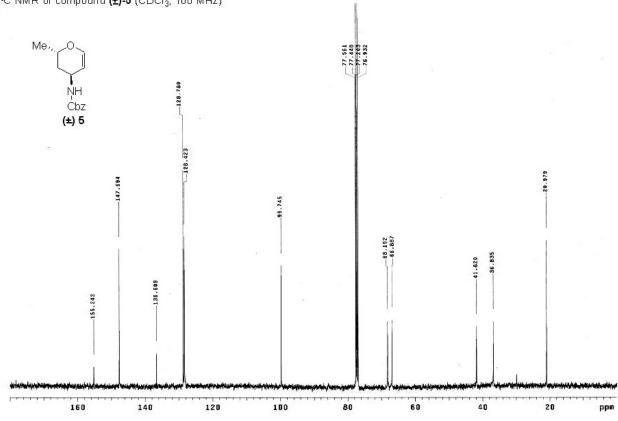


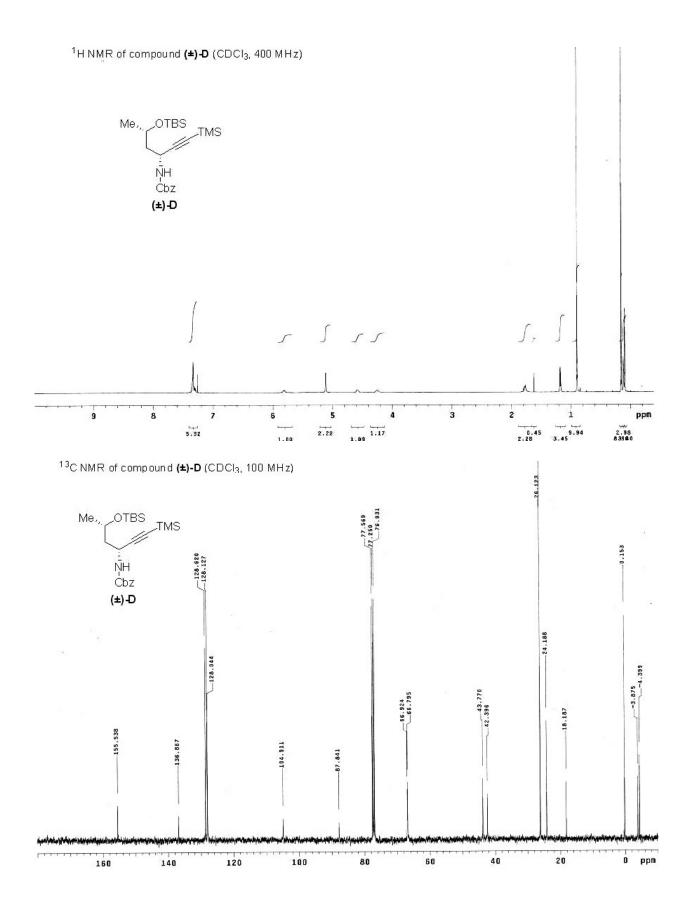


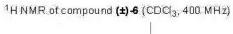


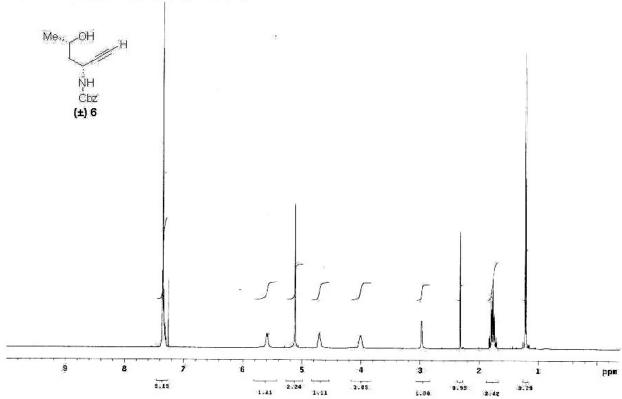


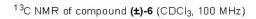


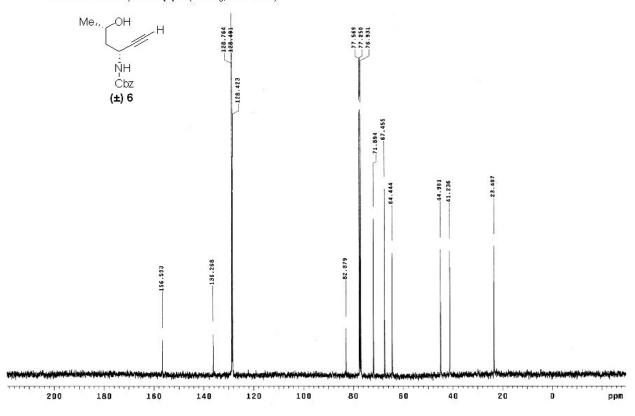


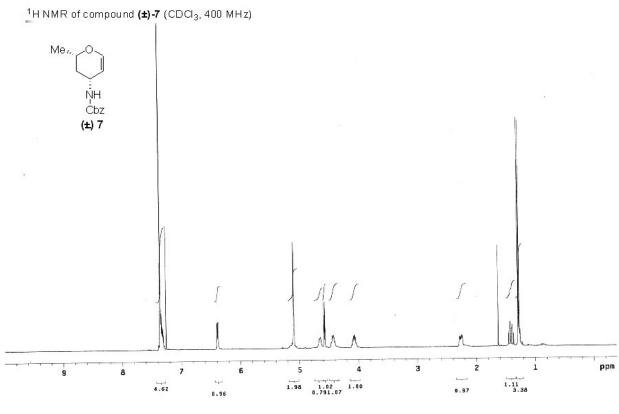


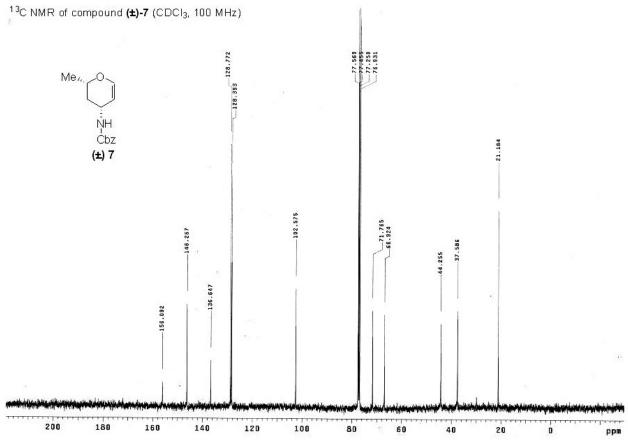


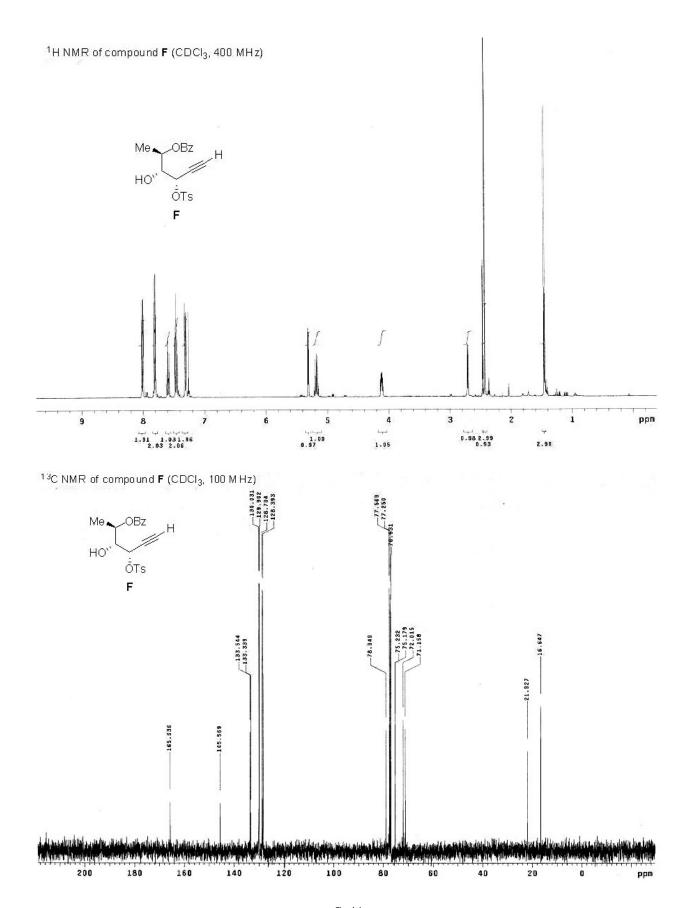


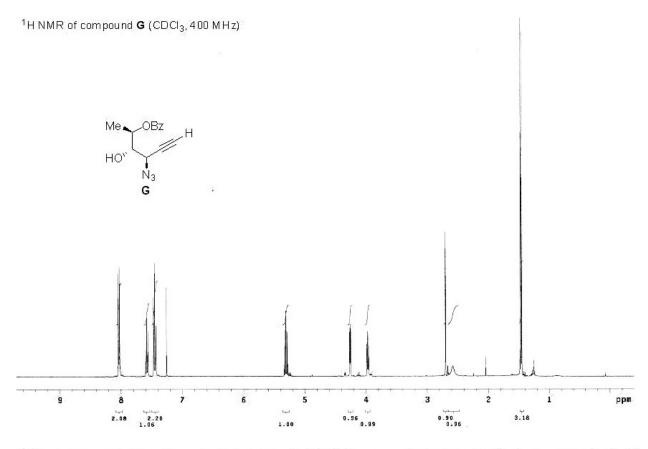


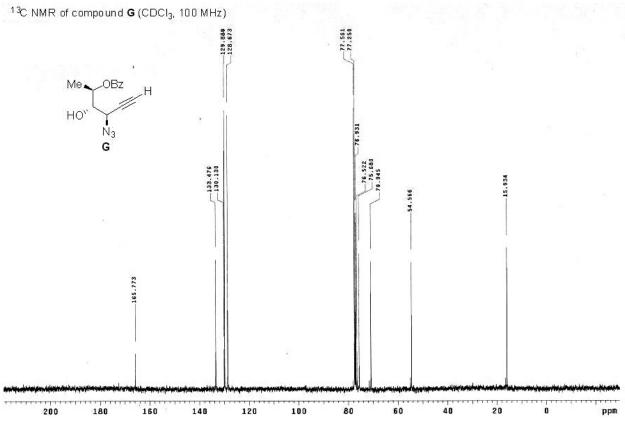


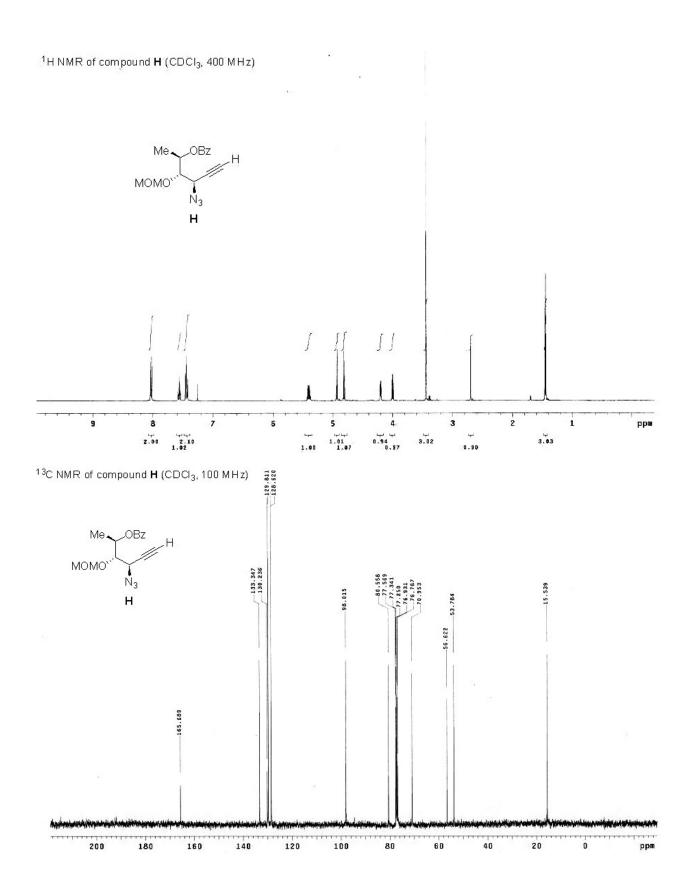


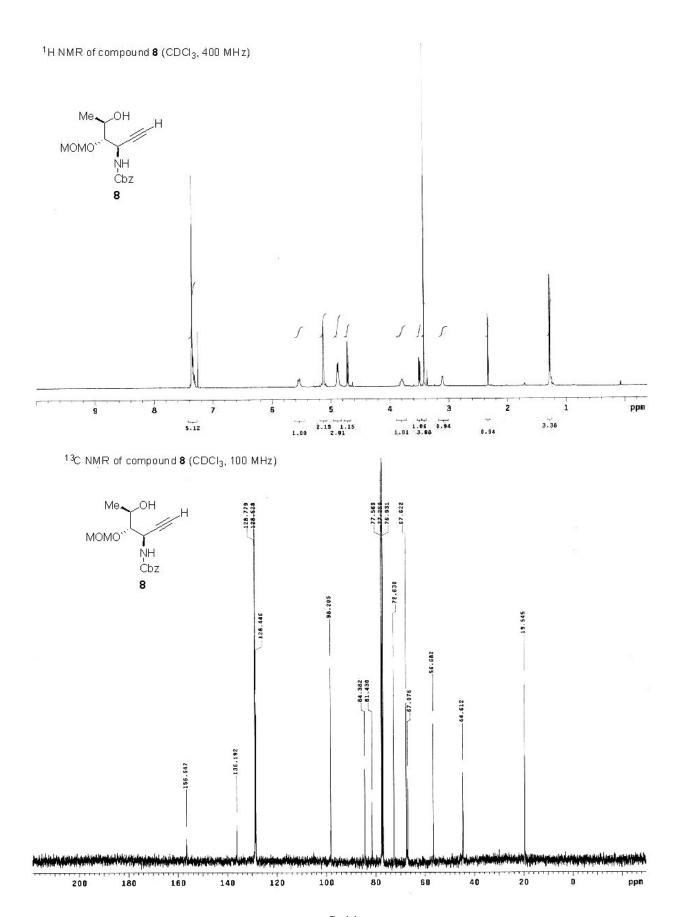


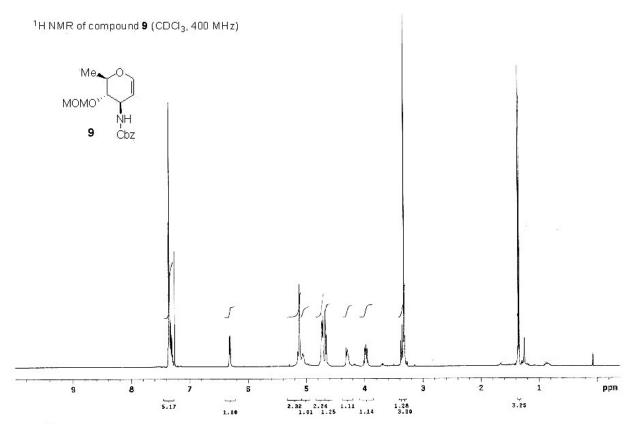












 $^{13}\!\text{C}$ NMR of compound $\pmb{9}$ (CDCl3, 100 MHz)

