

**Multifaceted Interception of 2-Chloro-2-Oxoacetic Anhydrides: A Catalytic
Asymmetric Synthesis of β -Lactams**

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Supporting Information_II

^1H NMR and ^{13}C NMR spectra

Table of Contents

1. Aziridine acid 8	5,6
2. Aziridine acid 10	7,8
3. Aziridine acid 90	9,10
4. Aziridine acid 92	11,12
5. Aziridine acid 26	13,14
6. Aziridine acid 25	15,16
7. Aziridine acid 27	17,18
8. Aziridine acid 28	19,20
9. Aziridine acid 29	21,22
10. Aziridine acid 30	23,24
11. Aziridine acid 31	25,26
12. Aziridine acid 32	27,28
13. Aziridine acid 100	29,30
14. Aziridine acid 102	31,32

15. Aziridine acid 104	33,34
16. Aziridine ester 106	35,36
17. Aziridine acid 55	37,38
18. Aziridine ester 108	39,40
19. Aziridine acid 109	41-43
20. Aziridine acid 111	44,45
21. Aziridine ester 113	46,47
22. Aziridine acid 114	48,49
23. Aziridine ester 116	50,51
24. Aziridine acid 117	52,53
25. Aziridine acid 119	54-56
26. Aziridine acid 121	57,58
27. Morpholinetriones 7	59
28. Morpholinetriones 11	60,61
29. Morpholinetriones 12	62,63
30. <i>N</i> -carboxyanhydride 33	64,65
31. <i>N</i> -carboxyanhydride 34	66,67
32. <i>N</i> -carboxyanhydride 35	68,69
33. <i>N</i> -carboxyanhydride 36	70,71
34. <i>N</i> -carboxyanhydride 37	72,73
35. <i>N</i> -carboxyanhydride 38	74,75
36. <i>N</i> -carboxyanhydride 39	76,77
37. <i>N</i> -carboxyanhydride 40	78,79

38. β -Lactams 42	80,81
39. β -Lactams 41	82,83
40. β -Lactams 43	84,85
41. β -Lactams 44	86,87
42. β -Lactams 45	88,89
43. β -Lactams 56	90,91
44. β -Lactams 46	92,93
45. β -Lactams 47	94,95
46. β -Lactams 49	96,97
47. β -Lactams 50	98,99
48. β -Lactams 51	100,101
49. β -Lactams 52	102,103
50. β -Lactams 53	104,105
51. β -Lactams 54	106,107
52. β -Lactams 65	108,109
53. Acid chloride 14	110,111
54. β -Lactams 70	112,113
55. β -Lactams 71	114,115
56. β -Lactams 73	116,117
57. β -Lactams 6	118,119
58. β -Lactams 69	120,121
59. β -Lactams 72	122,123

60. β -Lactams 48	124,125
61. β -Lactams 83	126,127
62. β -Lactams 84	128,129
63. β -Lactams 85	130,131
64. β -Lactams 86	132,133
65. β -Lactams 87	134,135





































































































































































































































































