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Supporting Information-II

Chiral Proton Catalysis of Secondary Nitroalkane Additions to Azomethine: Synthesis of a Potent GlyT1 Inhibitor

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	S-II-X
Figure 1. ¹ H NMR (400 MHz, CDCl ₃) of S1	2
Figure 2. 13 C NMR (125 MHz, CDCl ₃) of S1	
Figure 3. ¹ H NMR (400 MHz , CDCl ₃) of 1	4
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Figure 5. ¹ H NMR (500 MHz, CDCl ₃) of 9	6
Figure 6. ¹³ C NMR (125 MHz, CDCl ₃) of 9	7
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Figure 8. ¹³ C NMR (125 MHz, CDCl ₃) of 10	9
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Johnston et al. **Figure 1.** ¹H NMR (400 MHz, CDCl₃) of **S1**



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Johnston et al. **Figure 2.** ¹³C NMR (125 MHz, CDCl₃) of **S1**

TD SOLVEN NS DS SWH FIDRES AQ RG DE TE DE TE D1 1 D11 TD0 PL1 SF01 NAME EXPNC PROCN 200 Hz MH sec LSe 180 3 Ñ 160 140 120 100 80 60 40 20 ppm

Johnston et al. Figure 3. ¹H NMR (400 MHz, CDCl₃) of 1





Johnston et al. Figure 5. ¹H NMR (500 MHz, CDCl₃) of 9



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Johnston et al. Figure 6. ¹³C NMR (125 MHz, CDCl₃) of 9



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Johnston et al. **Figure 7.** ¹H NMR (400 MHz, CDCl₃) of **10**



Johnston et al. Figure 8. ¹³C NMR (125 MHz, CDCl₃) of 10



Johnston et al. **Figure 9.** ¹H NMR (400 MHz, CDCl₃) of **11**



Johnston et al. **Figure 10.** ¹³C NMR (125 MHz, CDCl₃) of **11**



Johnston et al. **Figure 11.** ¹H NMR (500 MHz, CDCl₃) of **12**



Johnston et al. **Figure 12.** ¹³C NMR (100 MHz, CDCl₃) of **12**

TD NSCLVEN NSCLVEN SCLVEN SCLV PL1 PL1 SF01 NAME EXPNO PROCI 7.63110352 200 dB MHz ≈ <u>6</u> 6 6 6 8 sec МH S Hz 180 160 12 , В 140 120 100 80 60 40 20 ppm

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Johnston et al. Figure 13. ¹H NMR (400 MHz, CDCl₃) of 13



Johnston et al. **Figure 14.** ¹³C DEPT-135 NMR (100 MHz, CDCl₃) of **13**



Johnston et al. Figure 15. ¹H NMR (400 MHz, CDCl₃) of 16



