

## Supporting Information

### Chemoenzymatic total synthesis of (+)-10-keto-oxycodone from phenethyl acetate

Mary Ann A. Endoma-Arias, Helen E. Dela Paz and Tomas Hudlicky\*

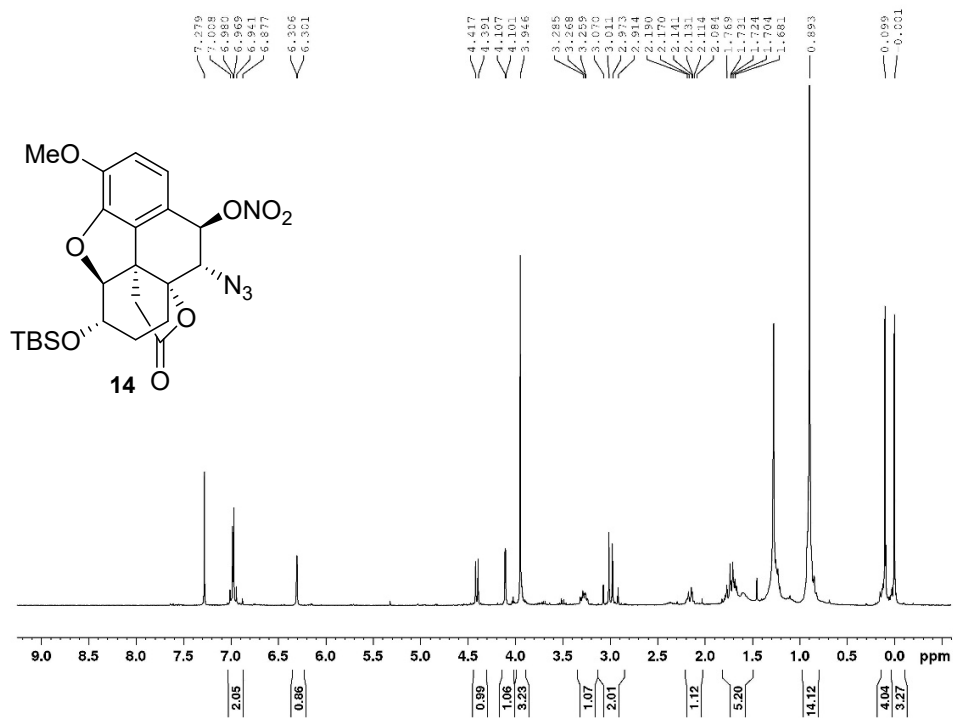
Chemistry Department and Centre for Biotechnology, Brock University, 1812 Sir Isaac Brock  
Way St. Catharines, Ontario, Canada L2S 3A1

thudlicky@brocku.ca

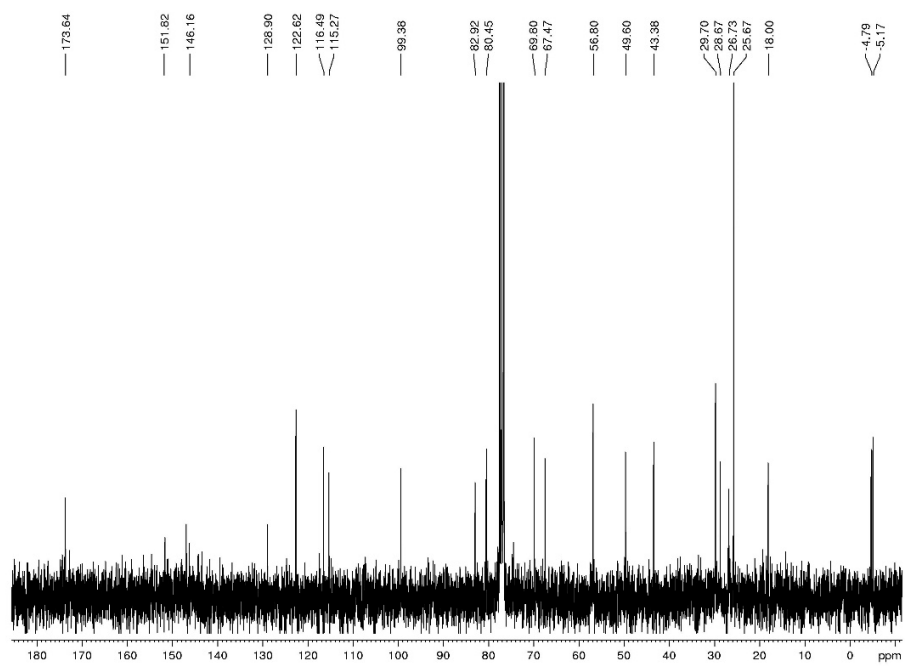
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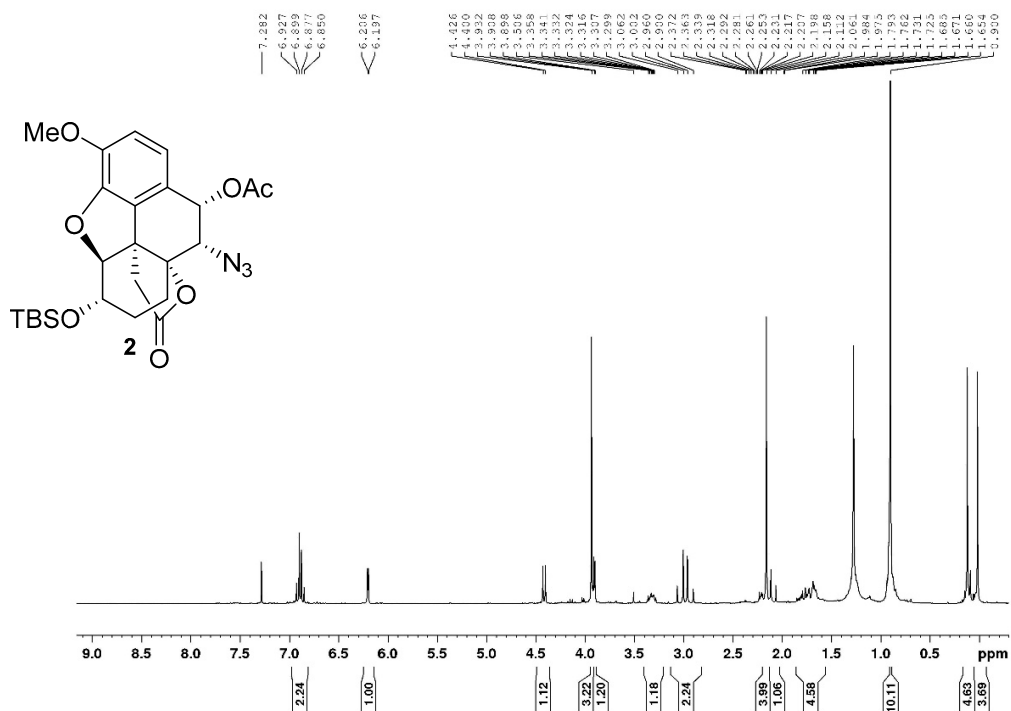
**<sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>)**



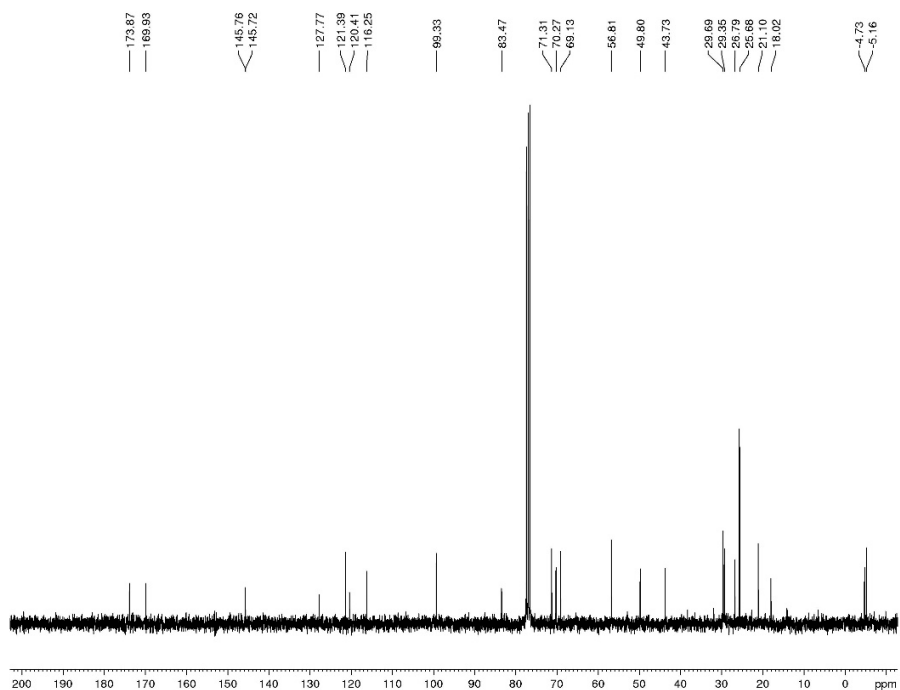
**<sup>13</sup>C NMR (75 MHz, CDCl<sub>3</sub>)**



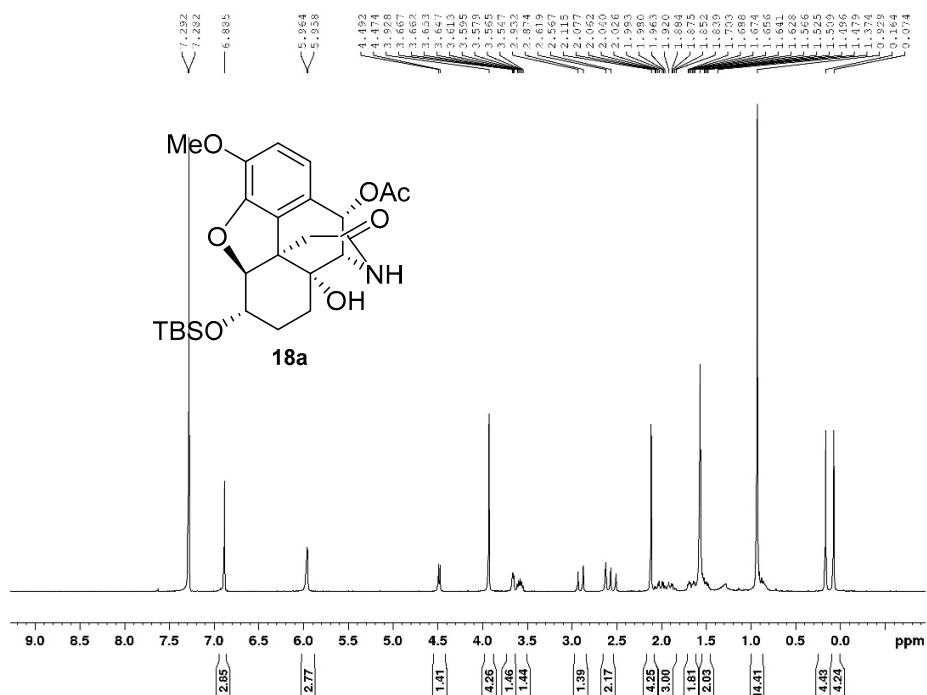
**<sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>)**



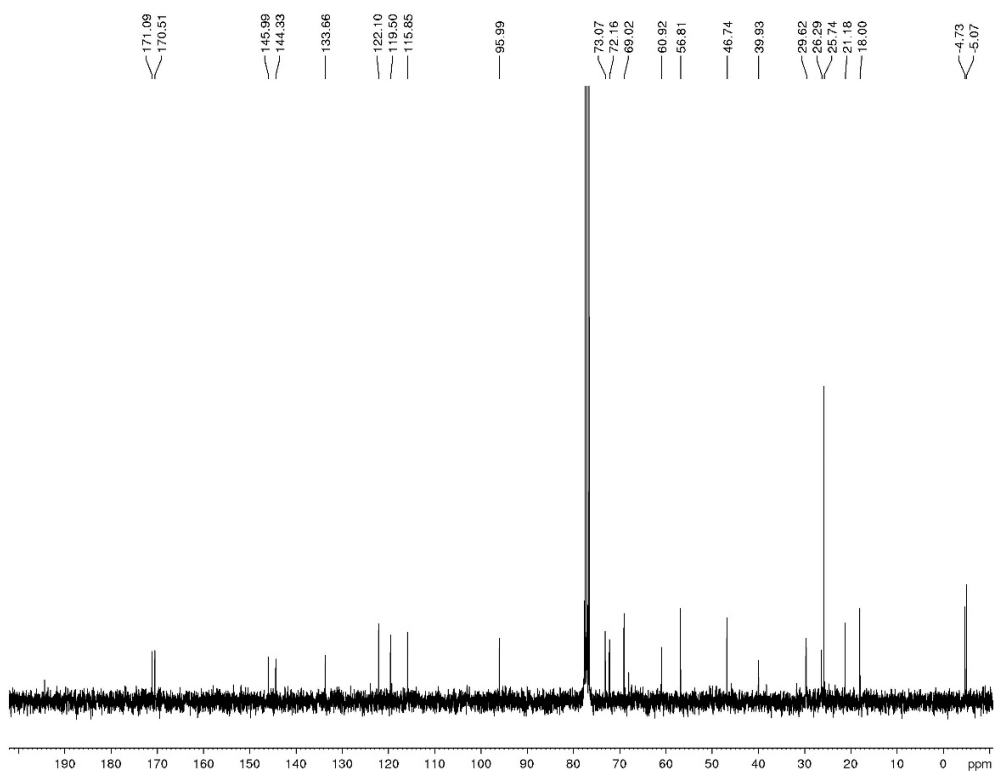
**<sup>13</sup>C NMR (75 MHz, CDCl<sub>3</sub>)**



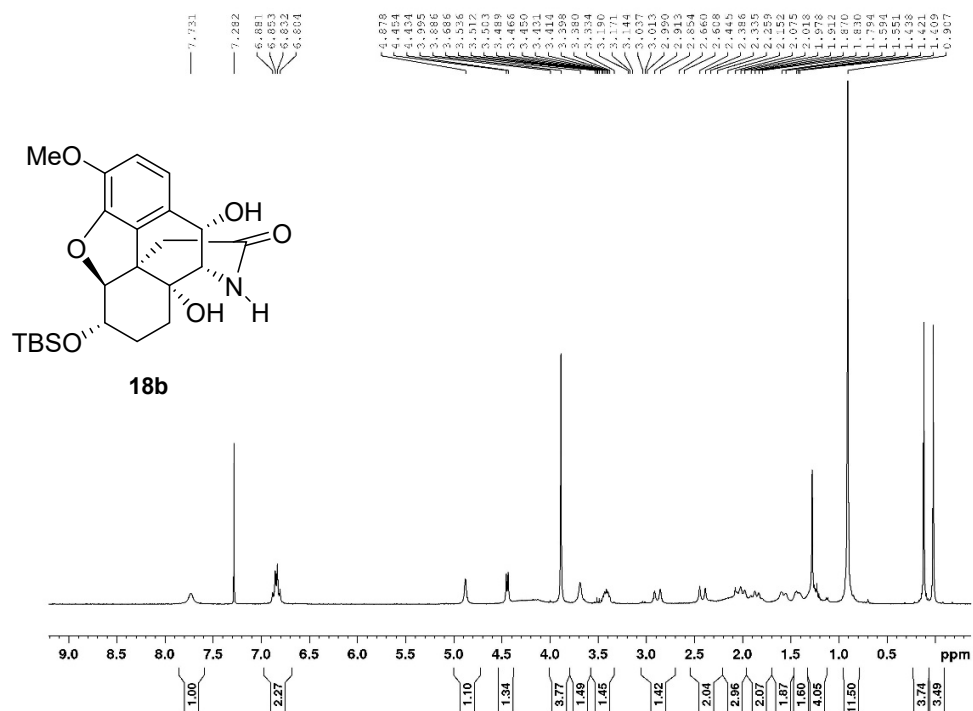
**$^1\text{H}$ NMR (300 MHz,  $\text{CDCl}_3$ )**



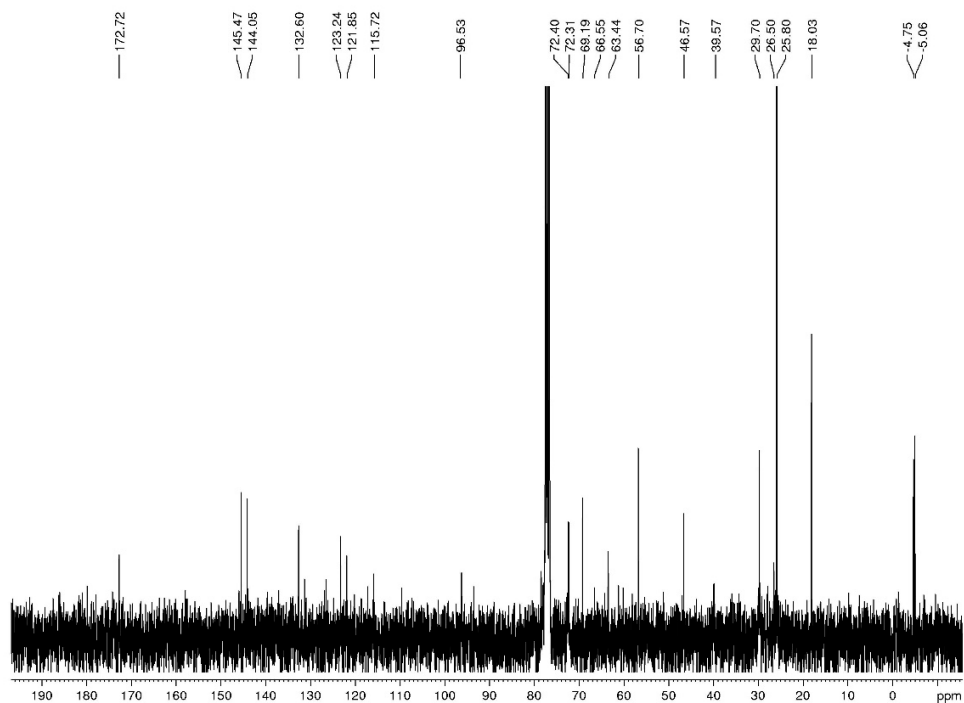
**$^{13}\text{C}$ NMR (75 MHz,  $\text{CDCl}_3$ )**



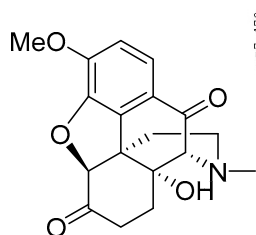
**$^1\text{H}$ NMR (300 MHz,  $\text{CDCl}_3$ )**



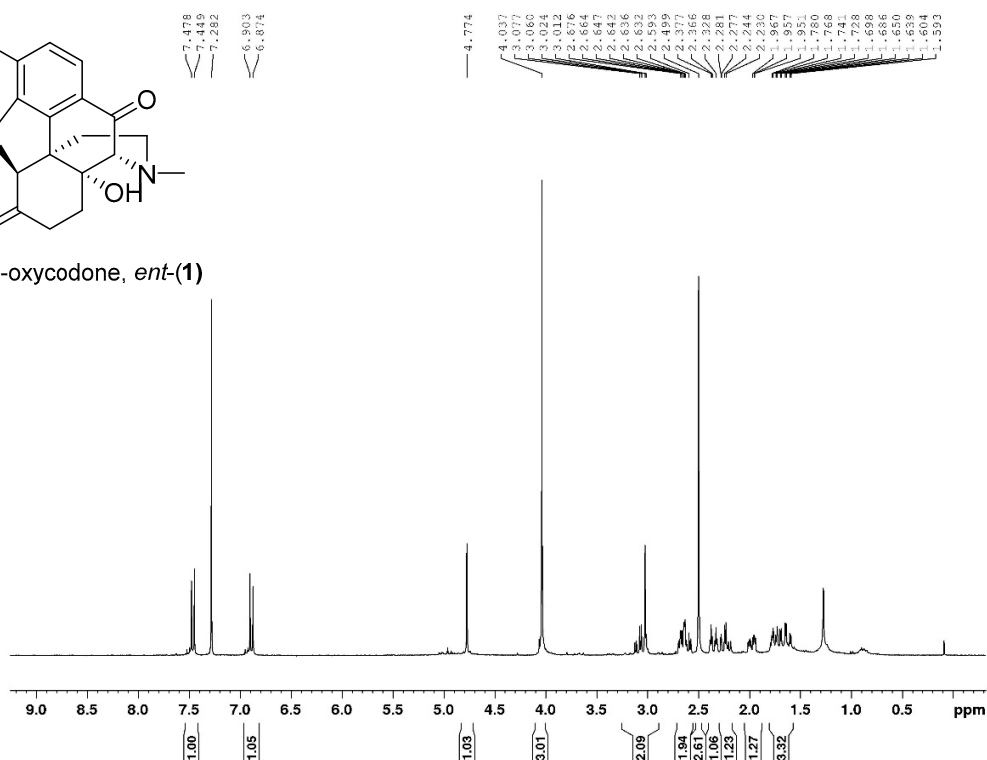
**$^{13}\text{C}$ NMR (75 MHz,  $\text{CDCl}_3$ )**



**<sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>)**



(+)-10-keto-oxycodone, *ent*-(1)



**<sup>13</sup>C NMR (75 MHz, CDCl<sub>3</sub>)**

