Supporting Information

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Synthesis, spectral characterization and biological evaluation of carbamate and sulfonamide derivatives of *cis*-tramadol

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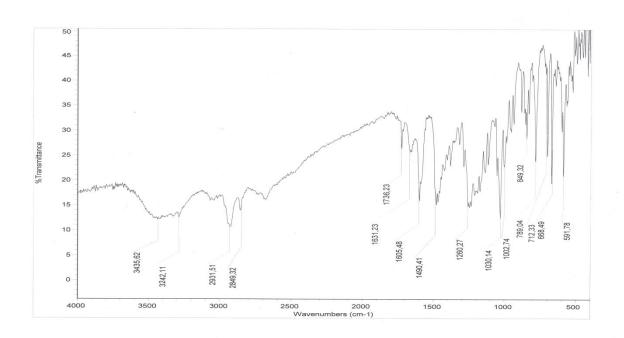


Figure S1: IR spectrum of compound 5b

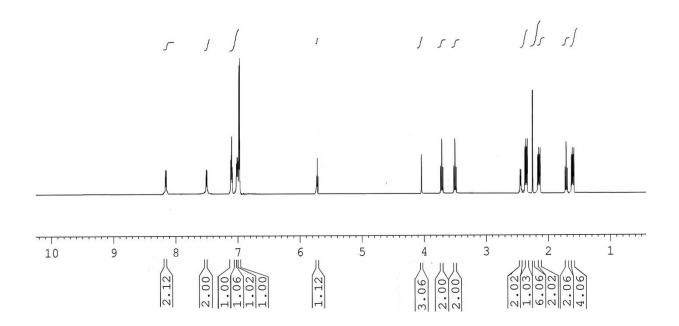


Figure S2: ¹H NMR spectrum of compound 5b

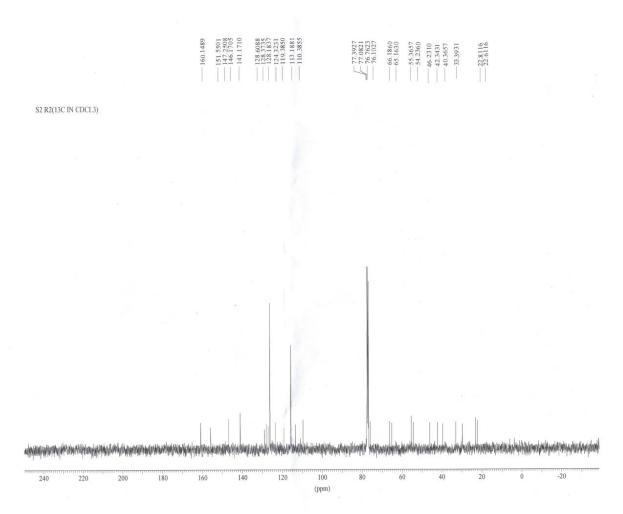


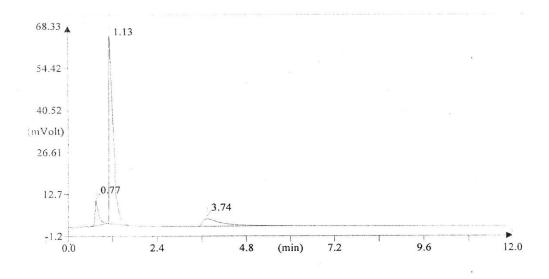
Figure S3: ¹³C NMR spectrum of compound 5b

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Method filename: Sample ID: Analysis type: Chromatogram filename: Sample weight: C:\Program Files\Thermo Finnigan\Eager 300 for EA1112\DATA\Sys_data_ex S2R2 (# 2)

UnkNown

UNK-16082012-2.dat 1.365



Element %	Ret. Time
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63. 61	1. 13
7. 01	3. 74
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Figure S4: CHN analysis of compound 5b

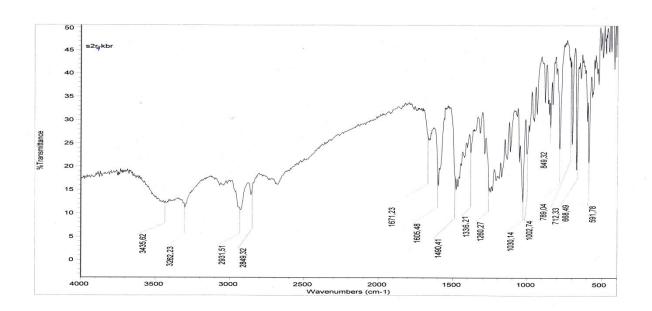


Figure S5: IR spectrum of compound 7d

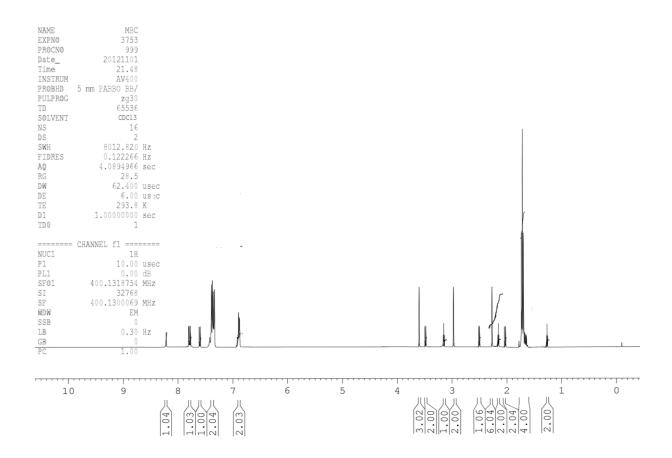


Figure S6: ¹H NMR spectrum of compound 7d

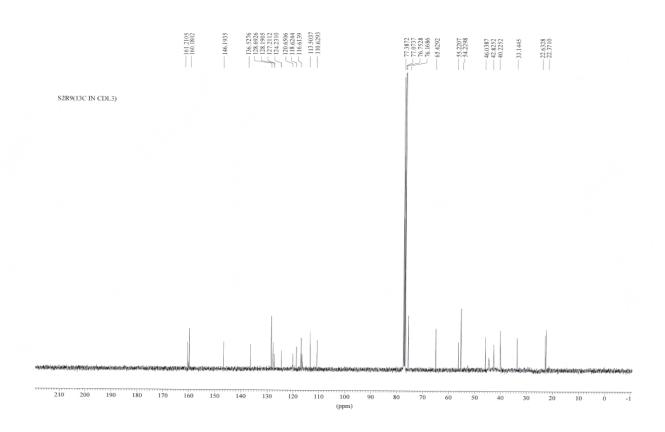


Figure S7: ¹³C NMR spectrum of compound 7d

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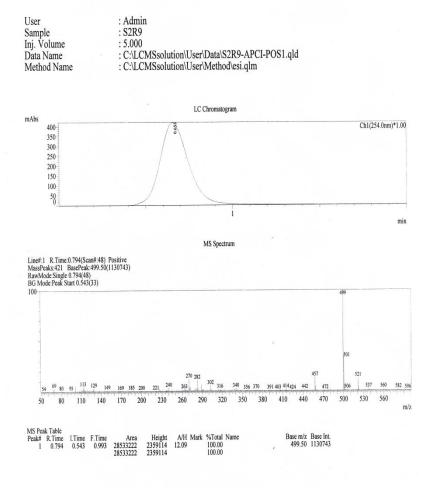


Figure S8: LC-MS spectrum of compound 7d

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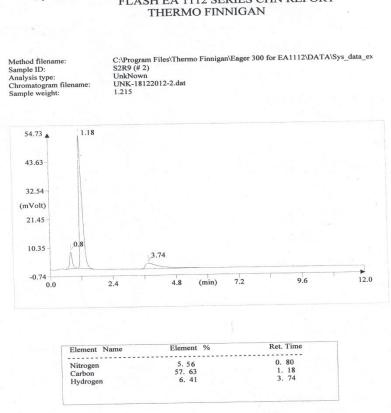


Figure S9: CHN analysis of compound 7d