



Alternative synthesis of the anti-baldness compound RU58841

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Leonard, M., Lingham, A., Niere, J., Jackson, N., McKay, P., & Hugel, H. (2014). Alternative synthesis of the anti-baldness compound RU58841. *RSC Advances*, 4(27), 14143–14148.
<https://doi.org/10.1039/C4RA00332B>

Published Version: <https://doi.org/10.1039/C4RA00332B>



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Citation:

Electronic Supplementary Information (ESI) to accompany:
Leonard, M, Lingham, A, Niere, J, Jackson, N, McKay, P and Hugel, H 2014, 'Alternative synthesis of the anti-baldness compound RU58841', RSC Advances, vol. 4, no. 27, pp. 14143-14148.

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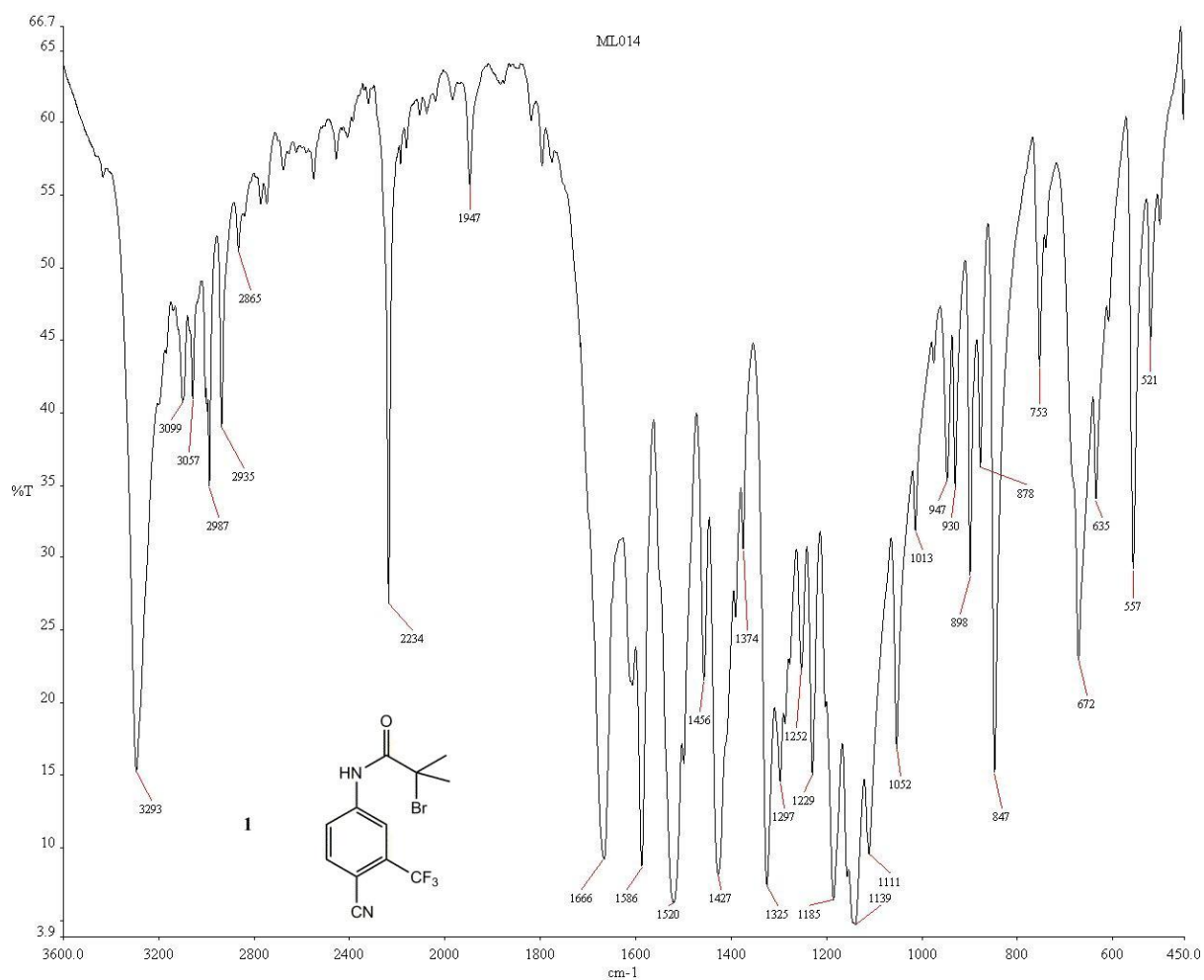
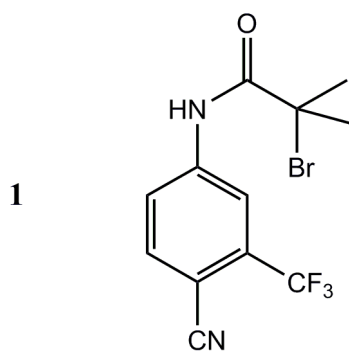
Electronic supplementary information for
Alternative synthesis of the anti-baldness compound RU58841

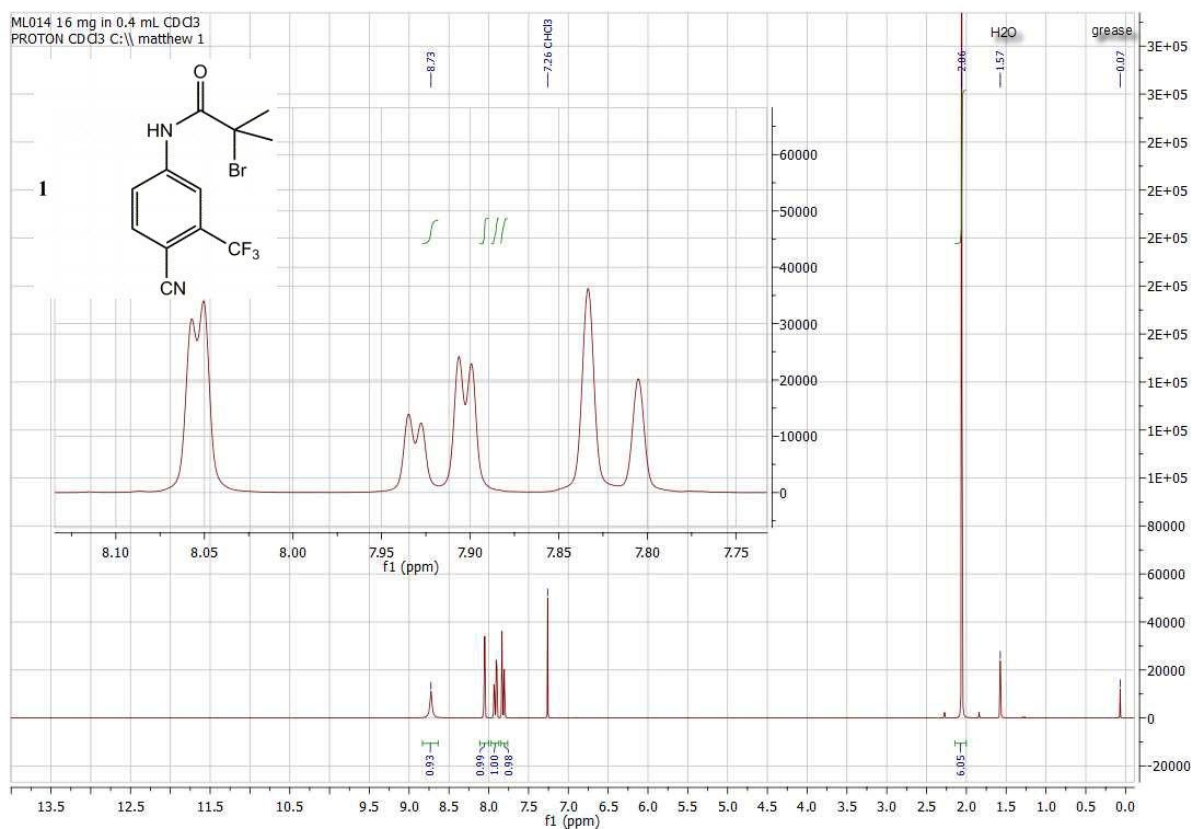
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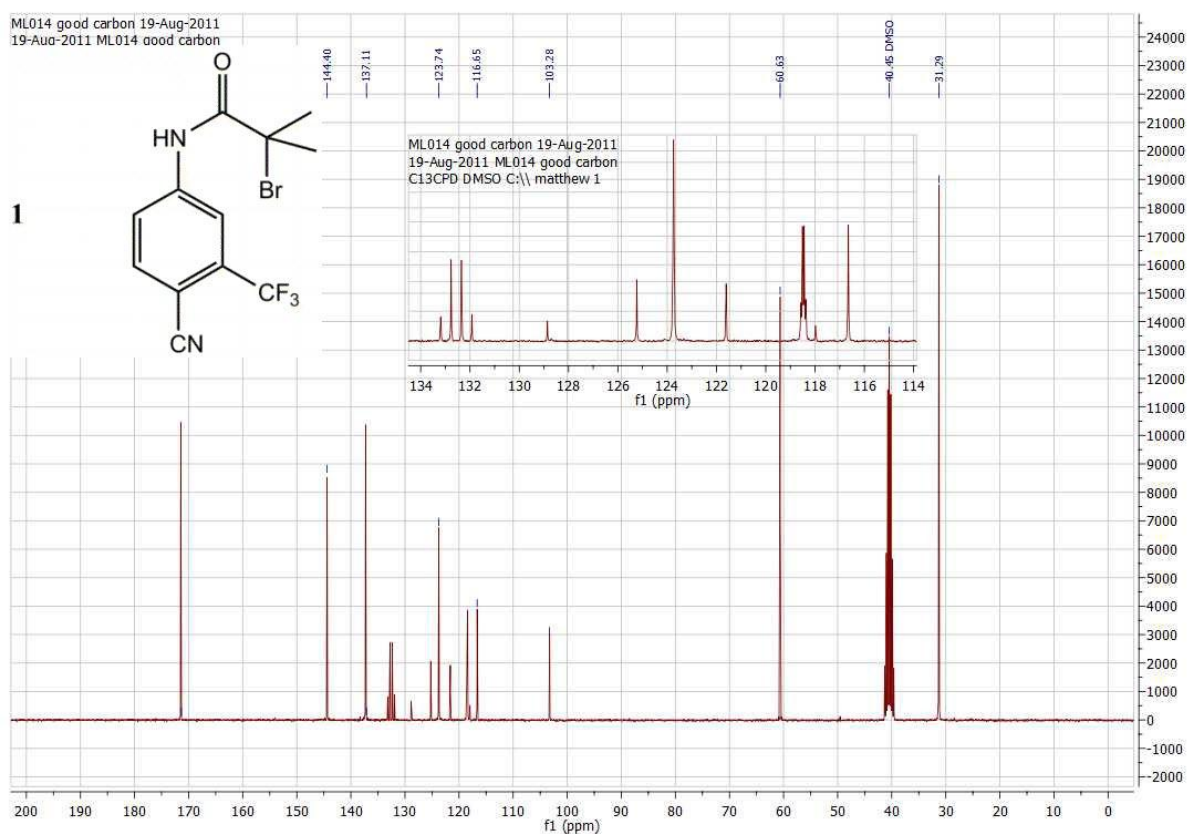
Matthew J. Leonard, Anthony R. Lingham, Julie O. Niere, Neale R. C. Jackson,

Peter G. McKay and Helmut M. Hügel

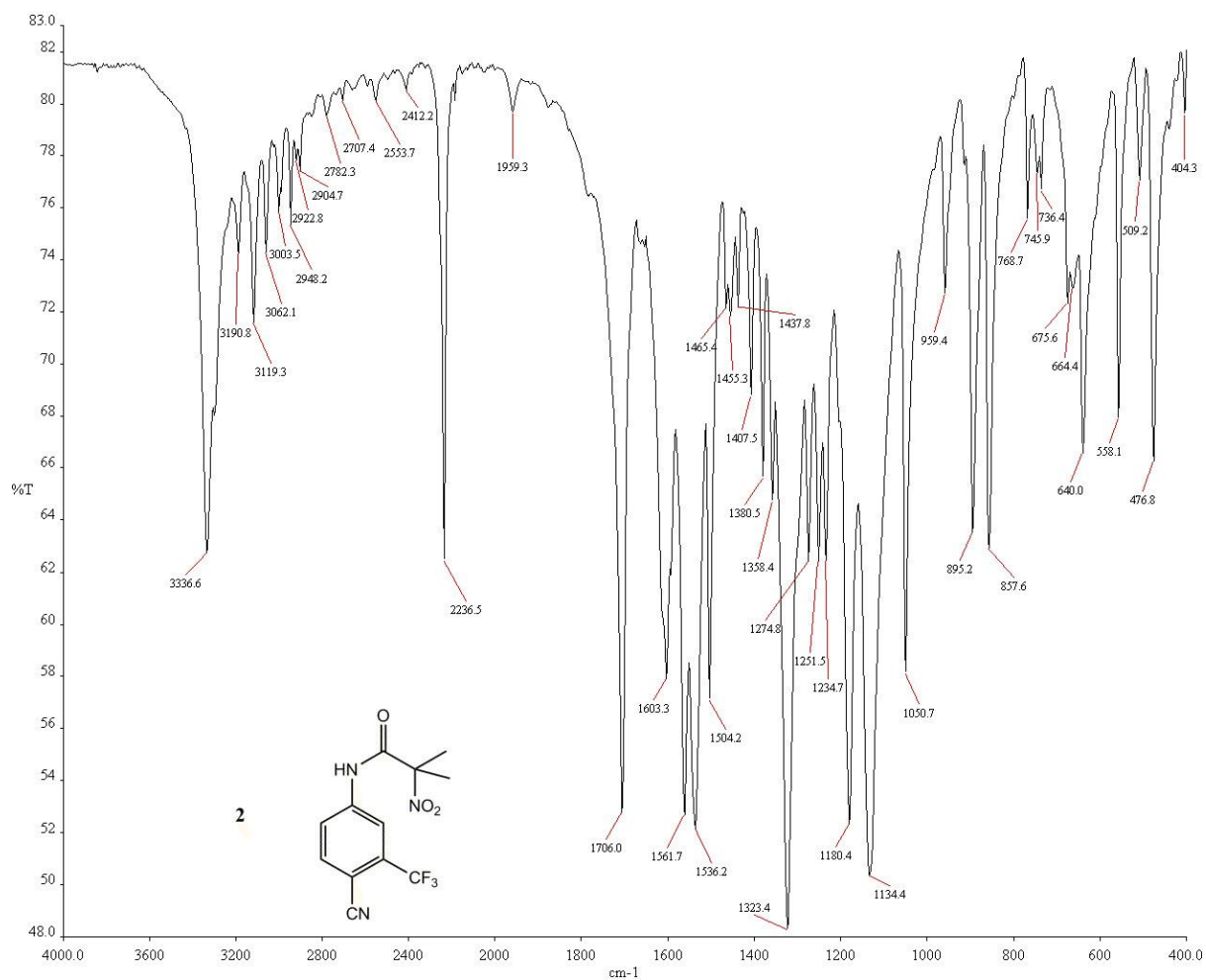
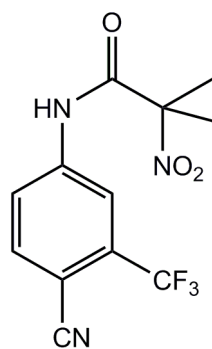




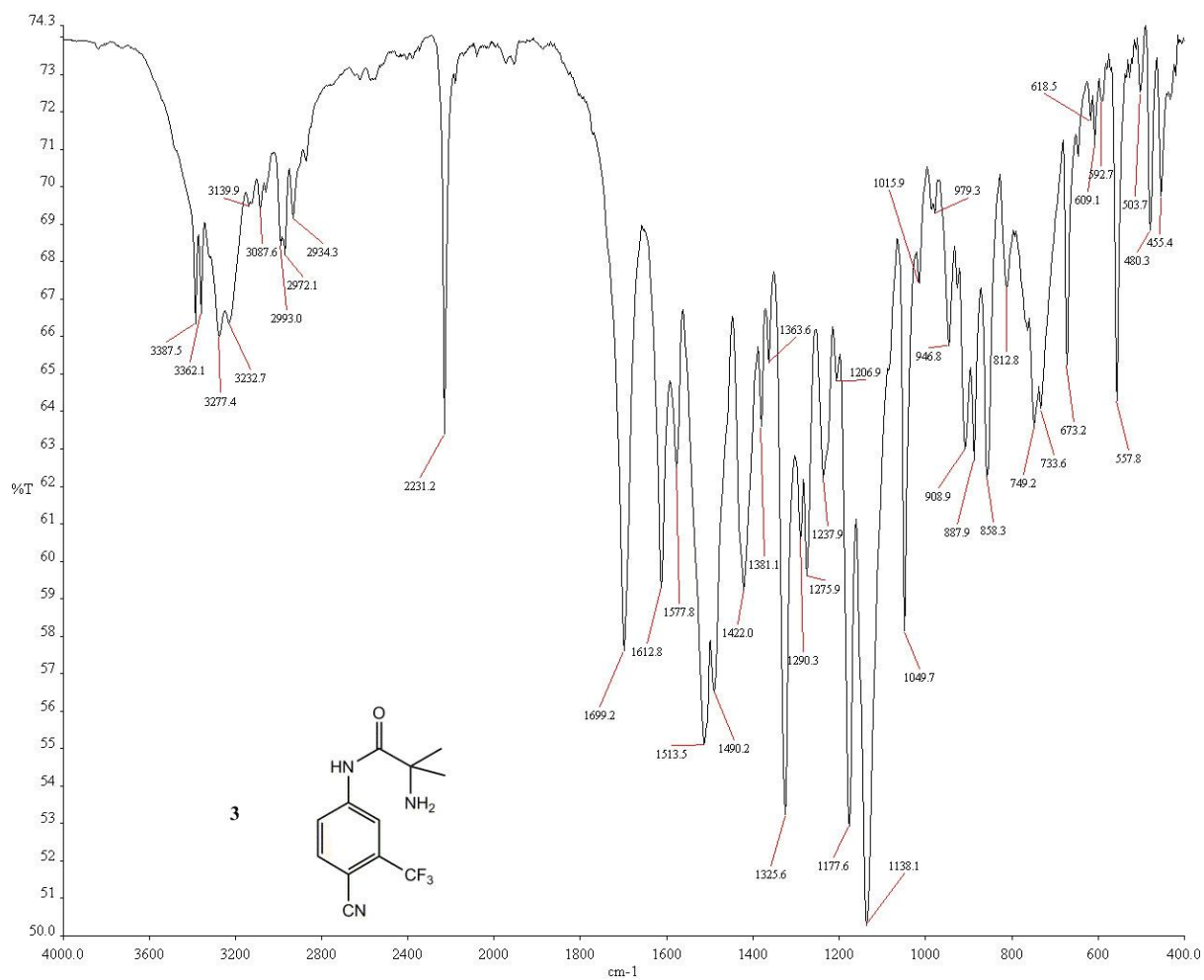
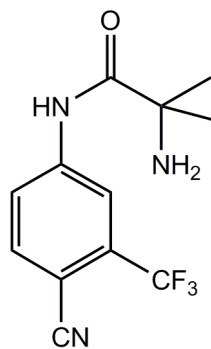
20 mg in 0.4 mL CDCl₃, 300 MHz, 256 scans

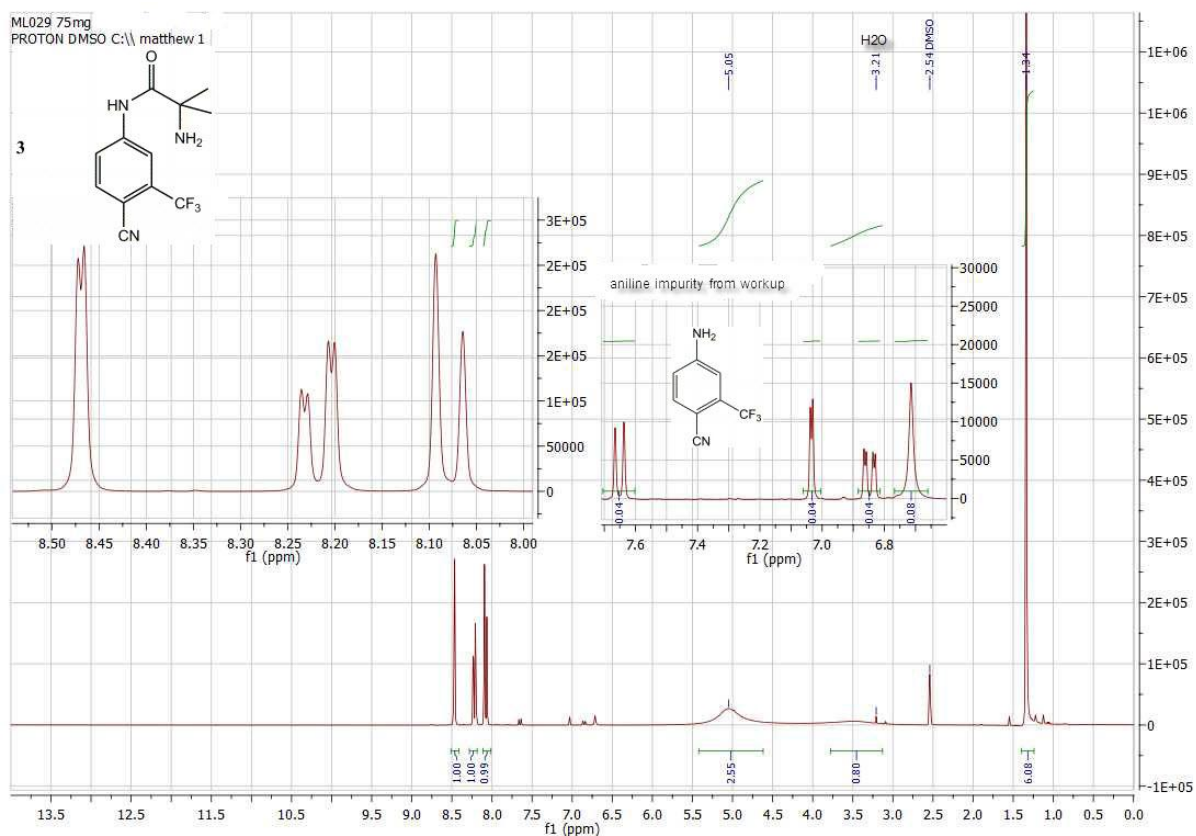


40 mg in 0.4 mL d₆-DMSO, 75 MHz, 2048 scans

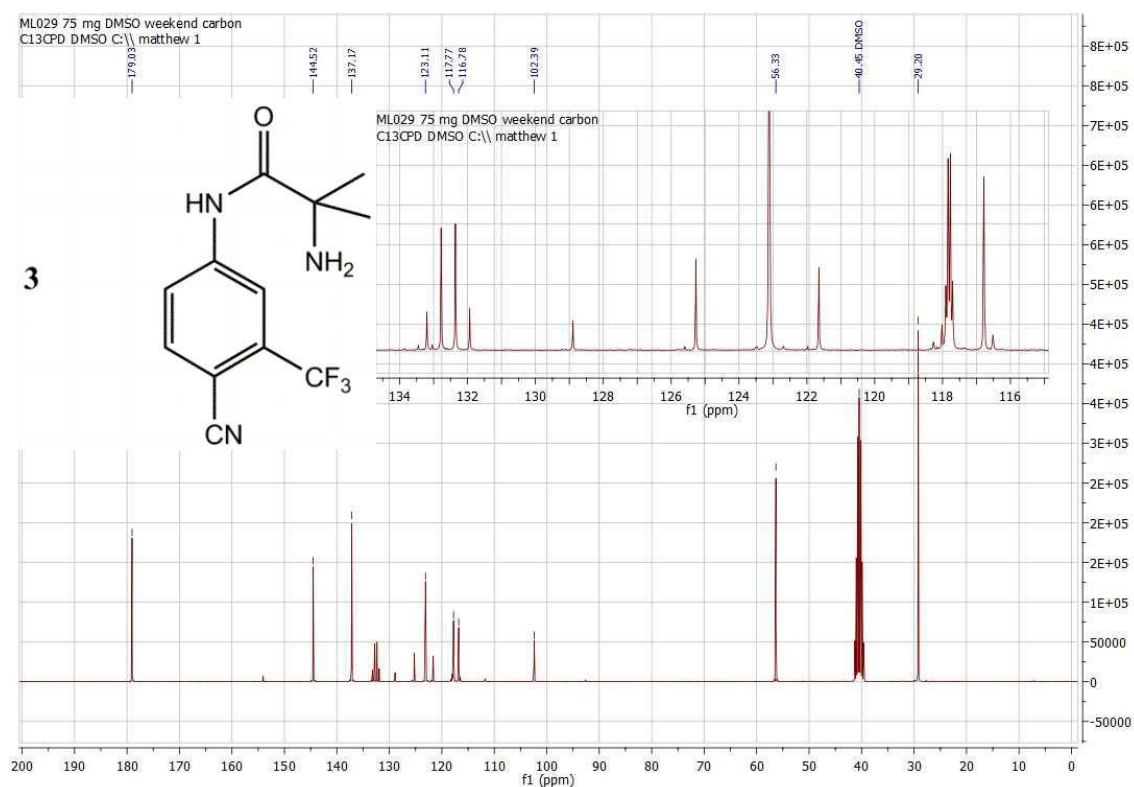


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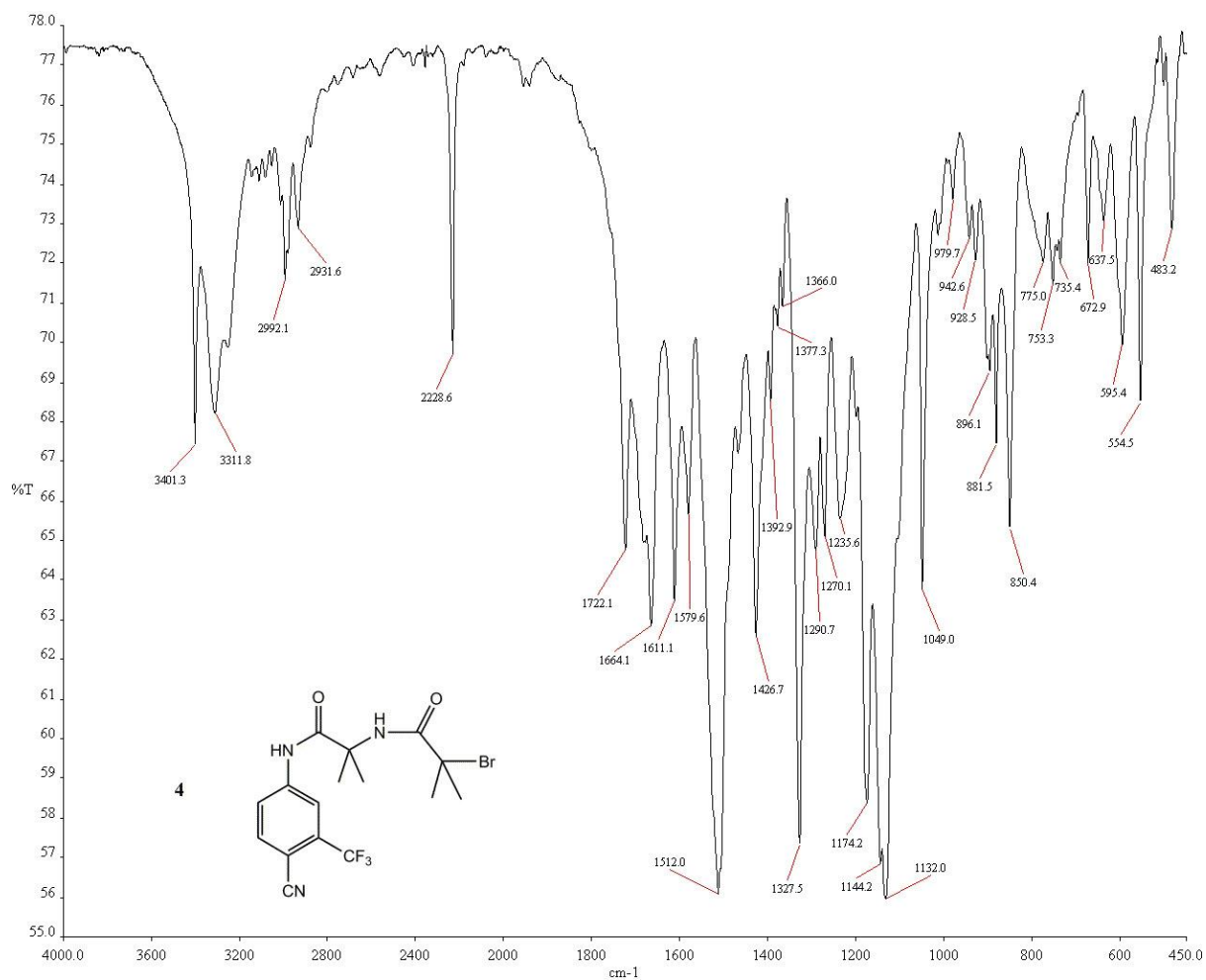
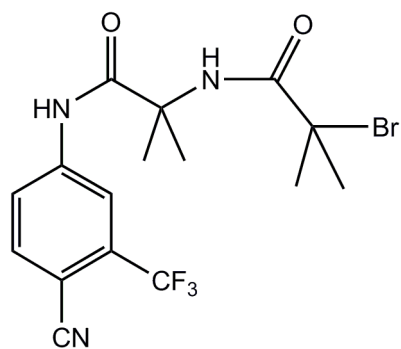


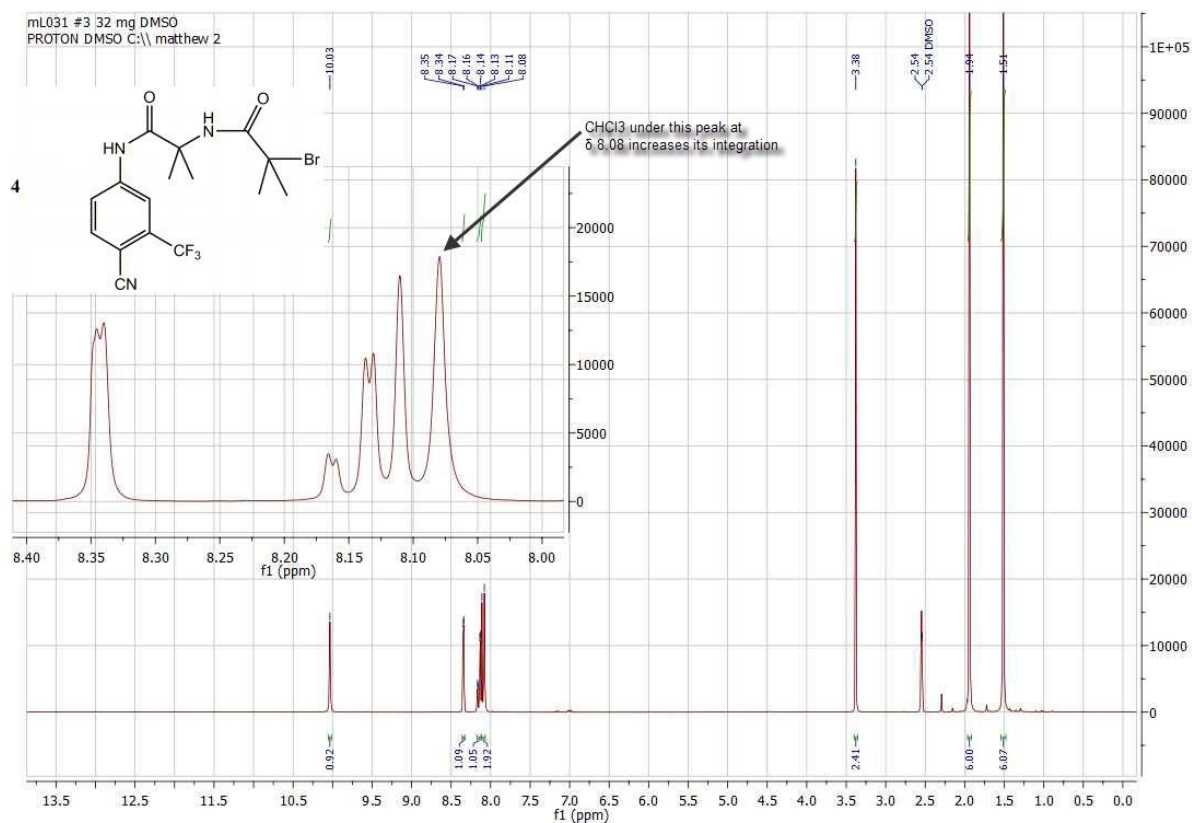
75 mg in 0.5 mL d6-DMSO, 300 MHz, 1024 scans. The small amount of aniline impurity is due to the acid/base workup of this compound.



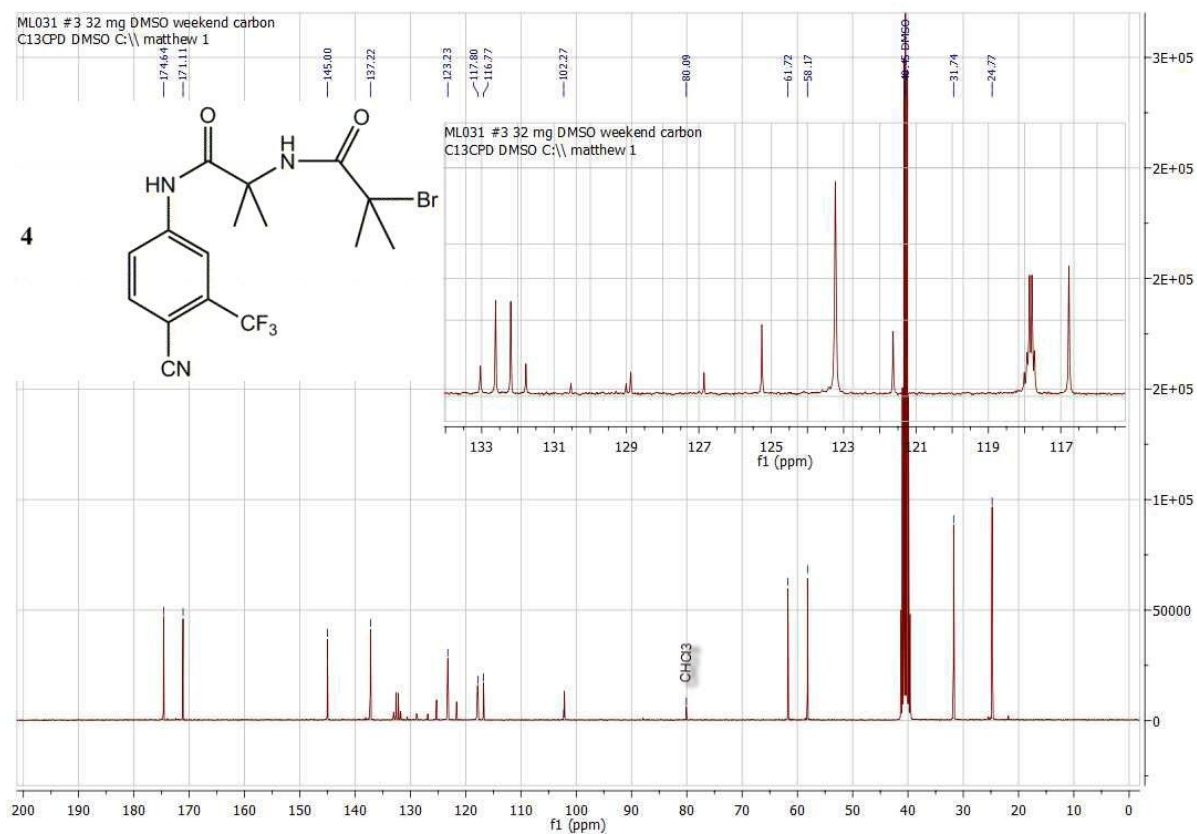
C-NMR was run using the same tube as H-NMR from above, 75 MHz, 55000 scans

4



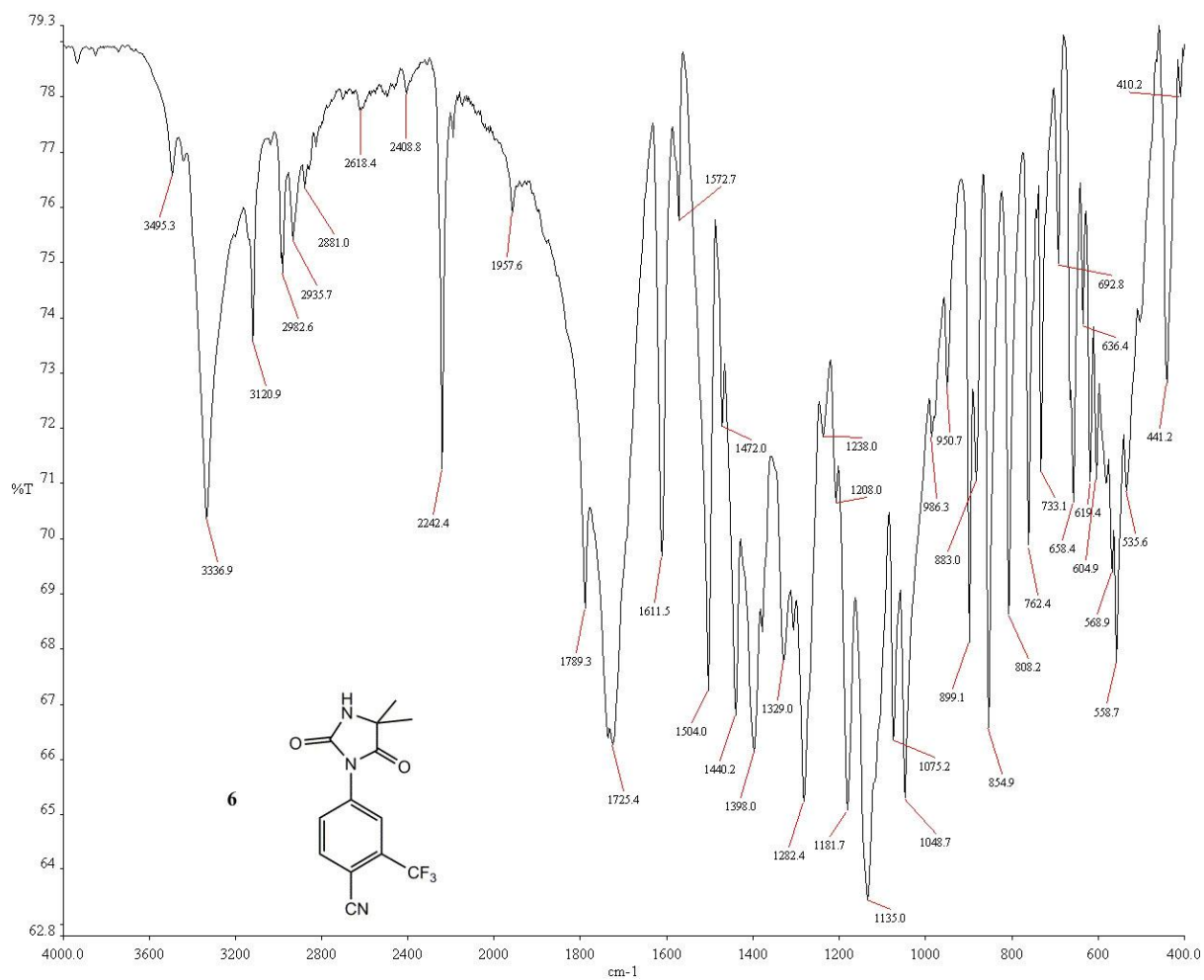
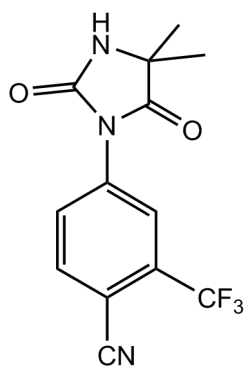


32 mg in 0.4 mL d₆-DMSO, 300 MHz, 128 scans

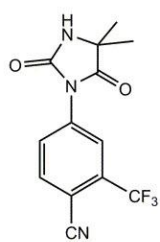


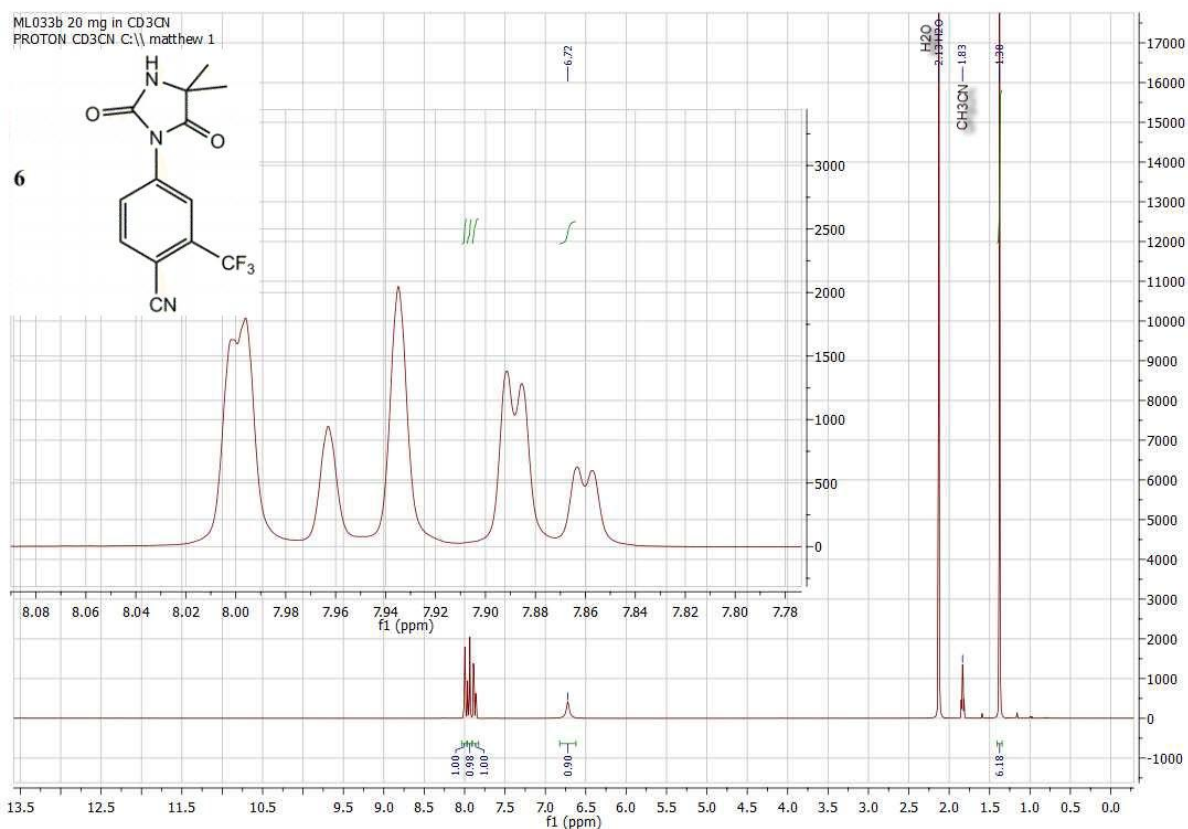
32 mg in 0.4 mL d₆-DMSO, 75 MHz, 55000 scans

6

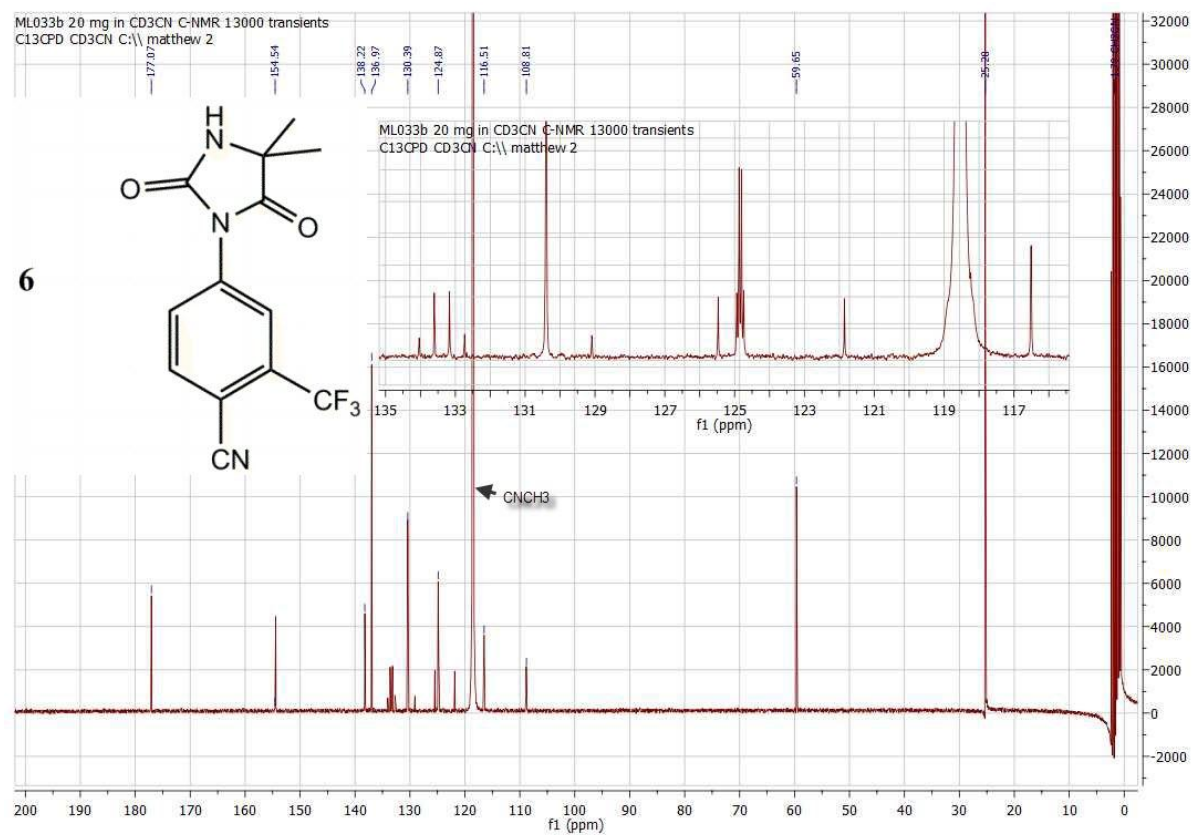


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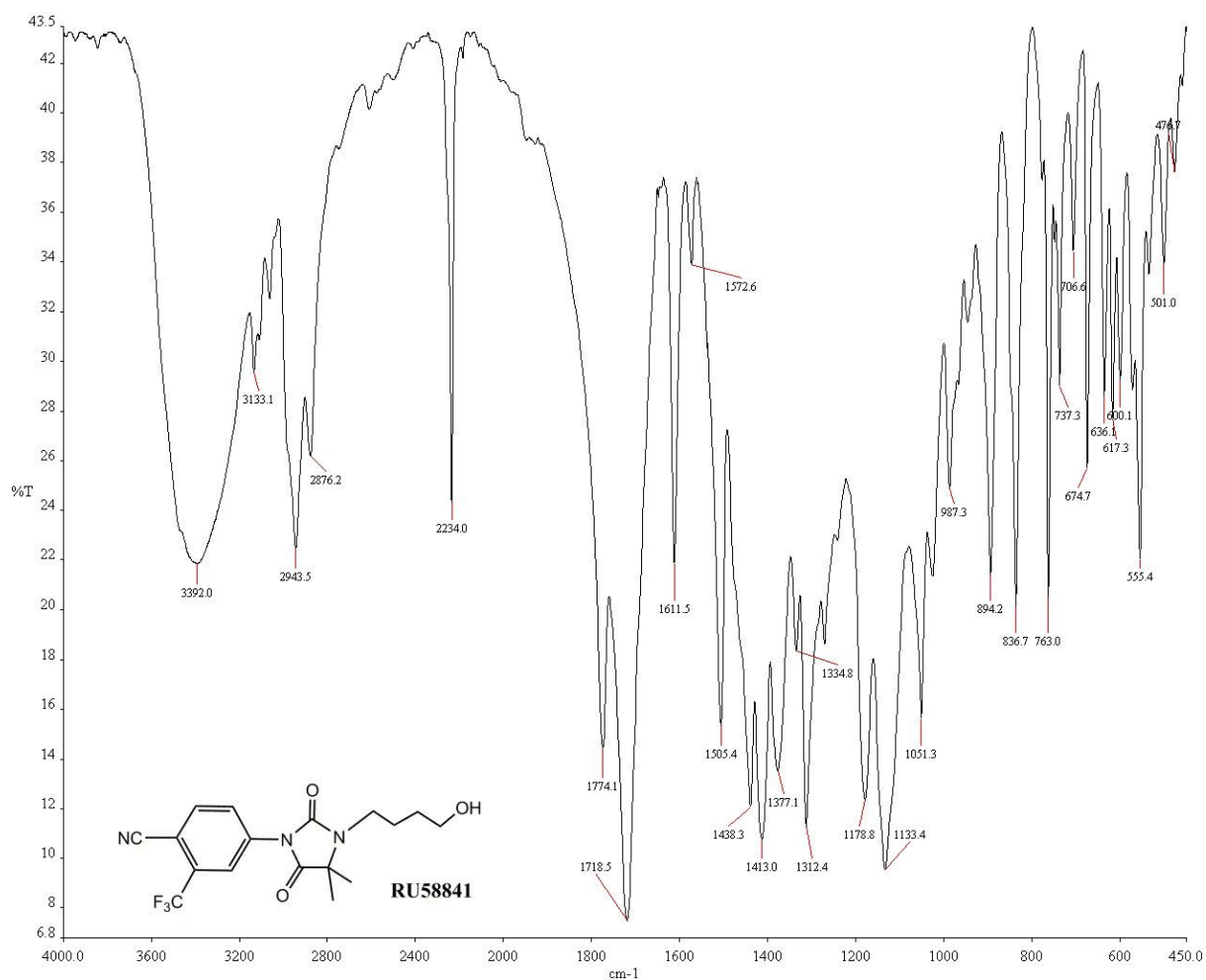
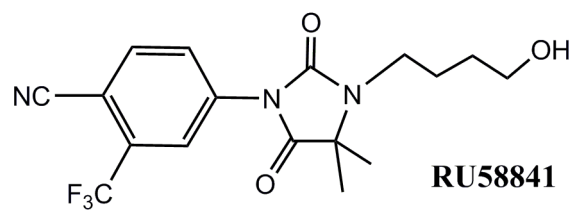


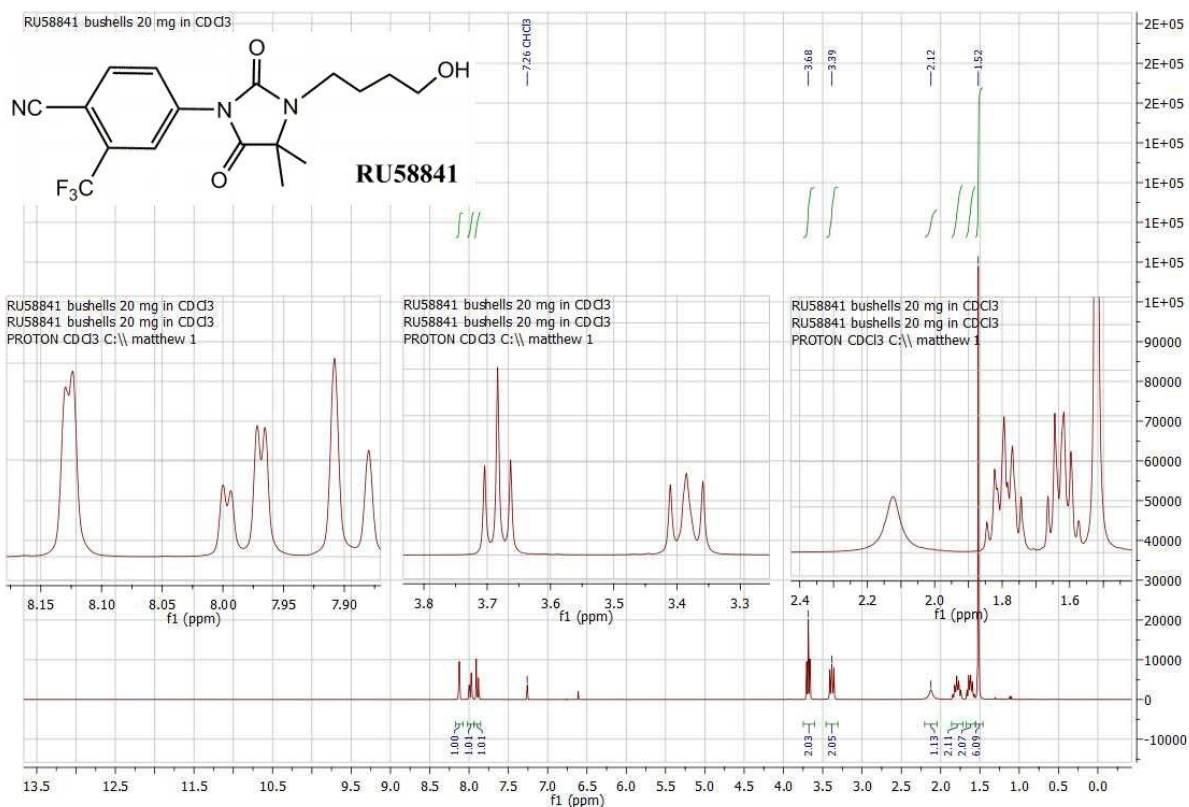


20 mg in 0.4 mL CD₃CN, 300 MHz, 16 scans

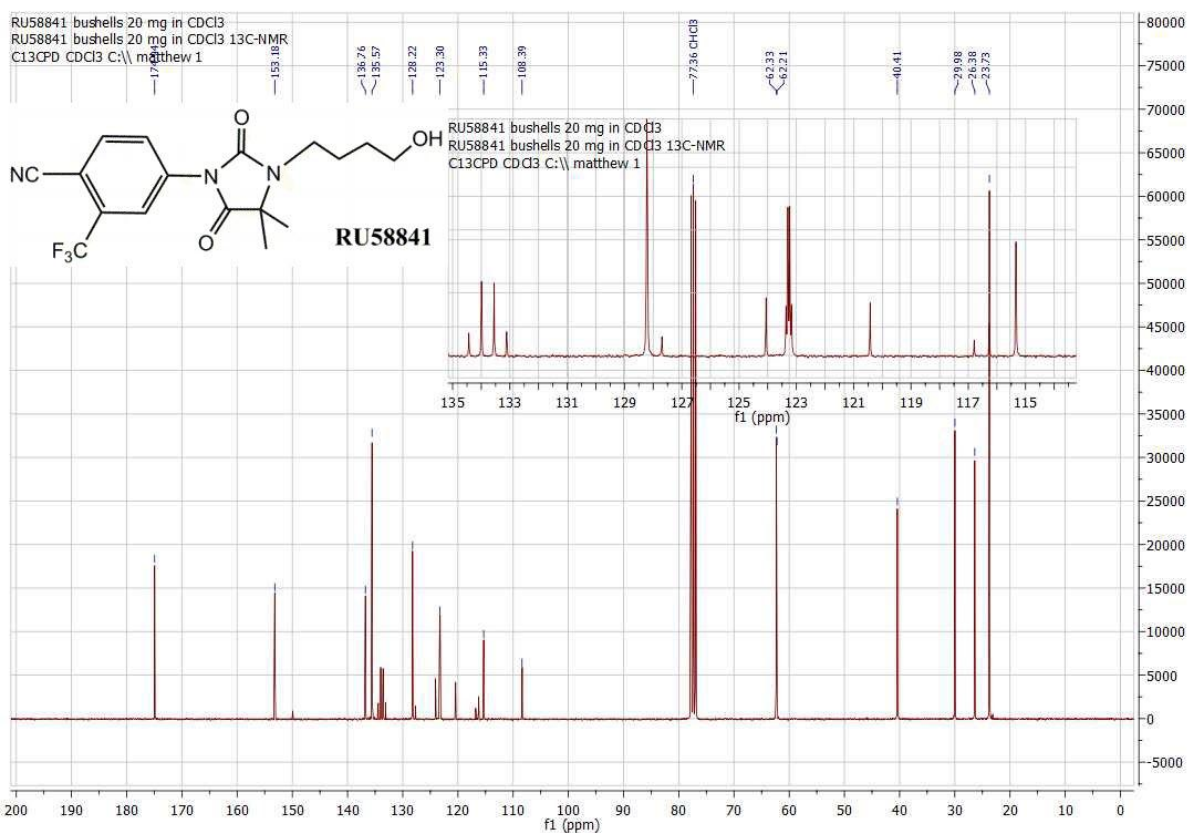


20 mg in 0.4 mL CD₃CN, 75 MHz, 13000 scans





20 mg in 0.4 mL CDCl₃, 300 MHz, 64 scans



20 mg in 0.4 mL CDCl₃, 75 MHz, 14262 scans