



*New and powerful antibiotic derivatives*

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**Field strength:** 600 MHz (14.1 T)

### Why is this your favorite spectrum?

I just polished out a way to make powerful antibiotic derivatives for killing difficult Gram-negative organisms. Here is the NMR spectrum of my first compound, 6 mg of material purified by HPLC. I'm really excited by the potential of these compounds as future life-saving antibiotics! MIC testing will be performed at Harvard within the next month.

I used Cambridge Isotope Labs' finest quality DMSO-d<sub>6</sub> to take this spectrum. Beautiful results! I love the selection of deuterated solvents, BTW!