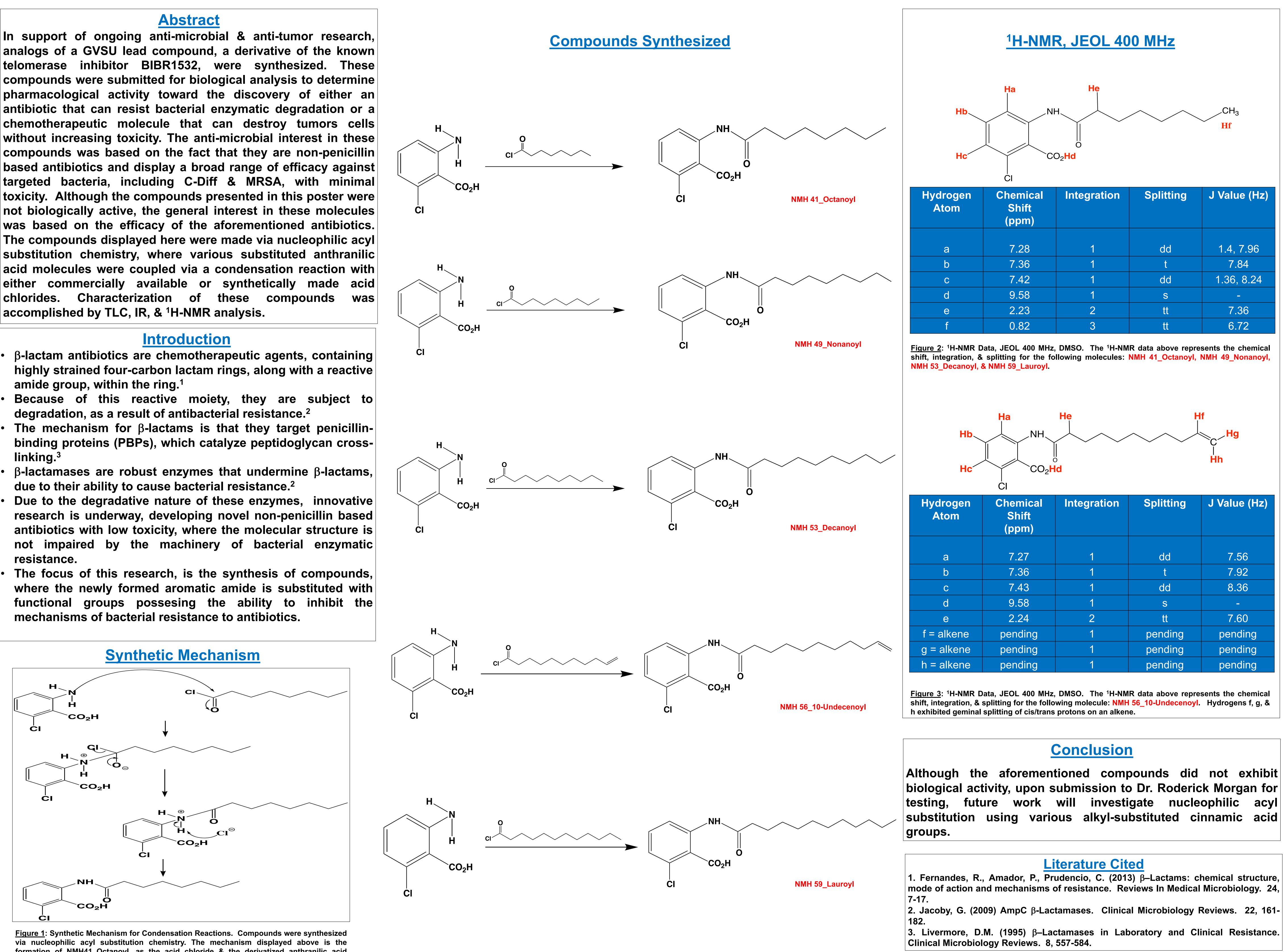


Characterization of chlorides.

- amide group, within the ring.<sup>1</sup>
- degradation, as a result of antibacterial resistance.<sup>2</sup>
- linking.<sup>3</sup>
- due to their ability to cause bacterial resistance.<sup>2</sup>
- resistance.
- mechanisms of bacterial resistance to antibiotics.



formation of NMH41\_Octanoyl, as the acid chloride & the derivatized anthranilic acid compound(s) react to make the final aromatic amide product.

# Synthesis & Characterization of Potential Pharmaceutical Analogs of a GVSU Lead Compound:

an investigation of antibiotic & anti-tumor activity

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Shift (ppm)	Integration	Splitting	J value (HZ)
7.28	1	dd	1.4, 7.96
7.36	1	t	7.84
7.42	1	dd	1.36, 8.24
9.58	1	S	_
2.23	2	tt	7.36
0.82	3	tt	6.72

hemical Shift (ppm)	Integration	Splitting	J Value (Hz)
7.27	1	dd	7.56
7.36	1	t	7.92
7.43	1	dd	8.36
9.58	1	S	_
2.24	2	tt	7.60
pending	1	pending	pending
pending	1	pending	pending
pending	1	pending	pending