

Supporting Information

4-Trifluormethyl Bithiazoles as Broad-Spectrum Antimicrobial Agents for Virus-Related Bacterial Infections or co-Infections

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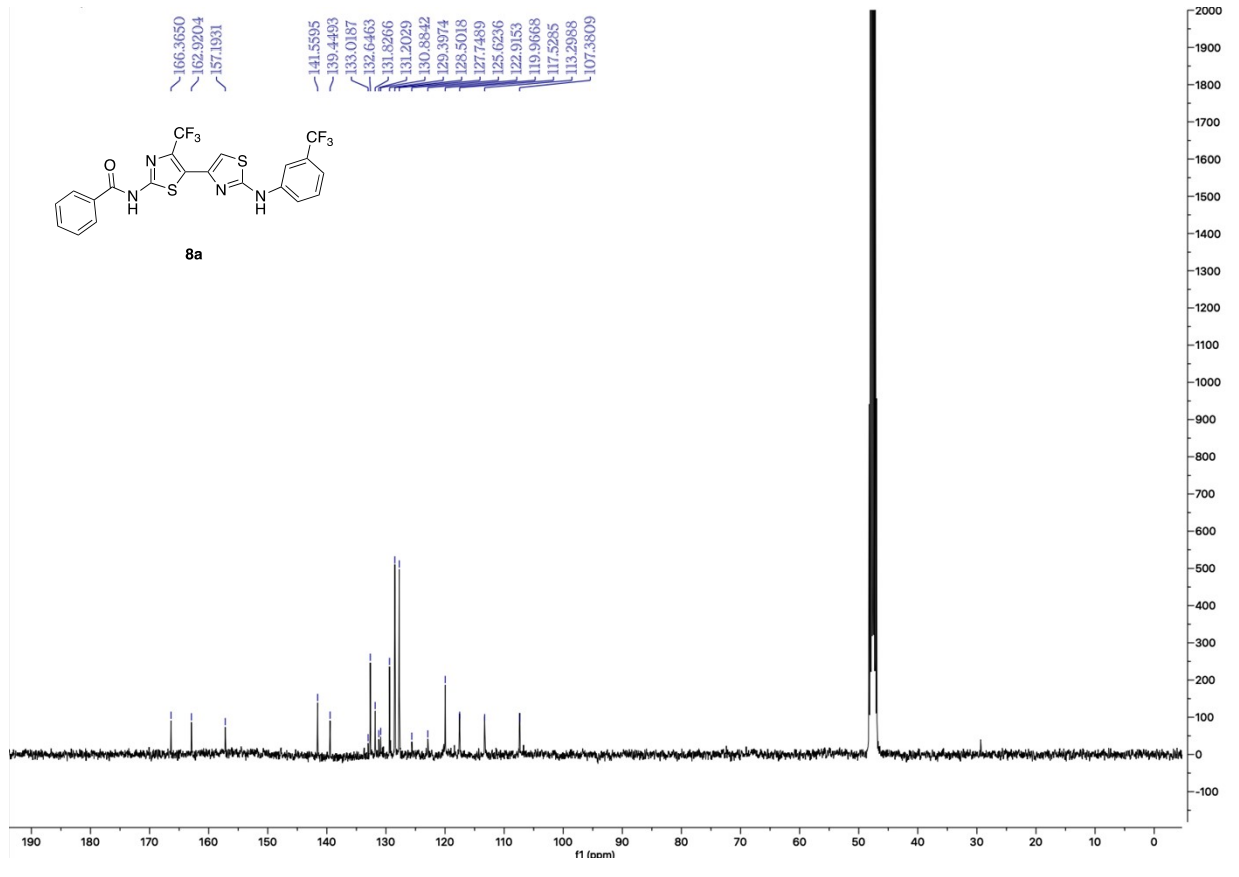
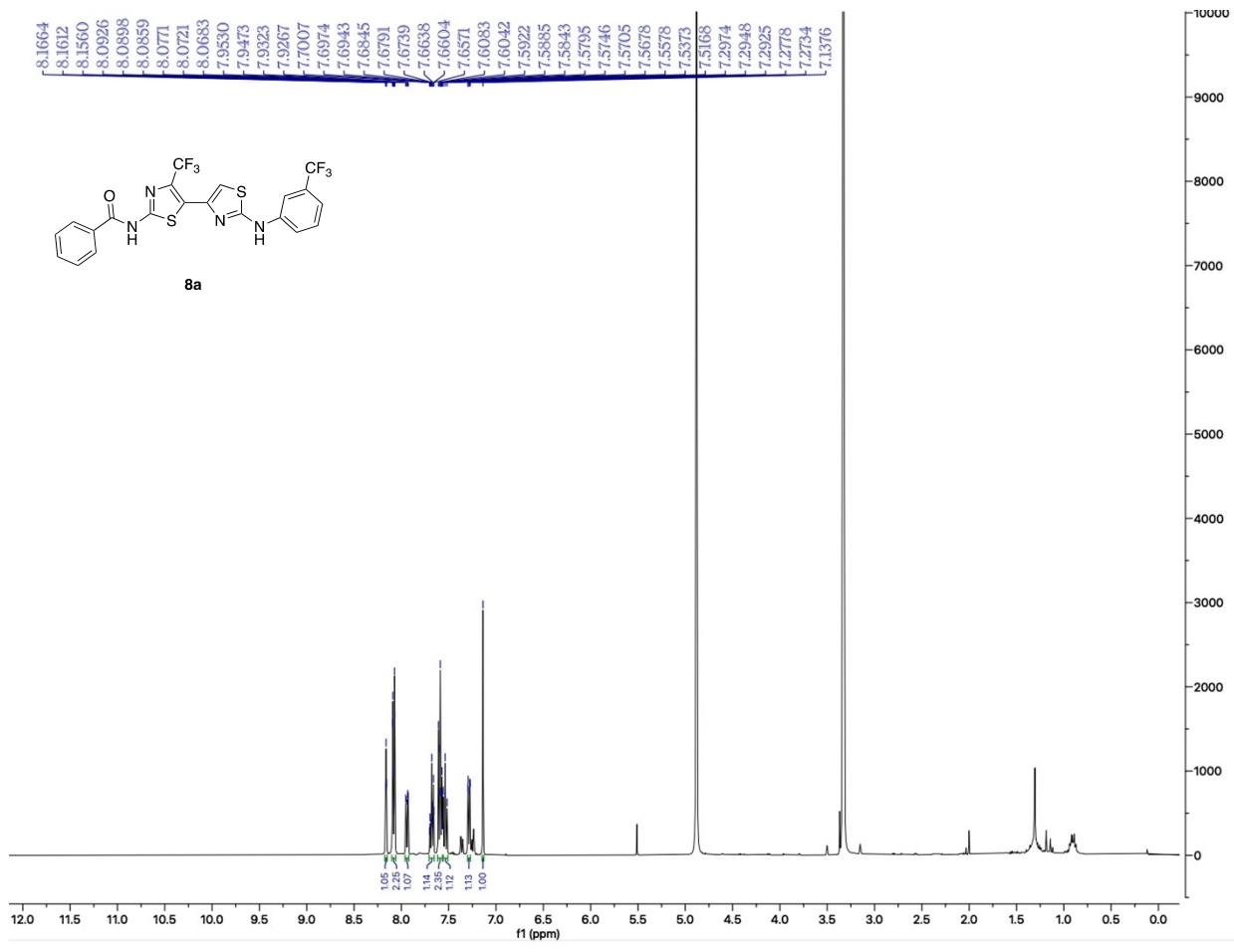
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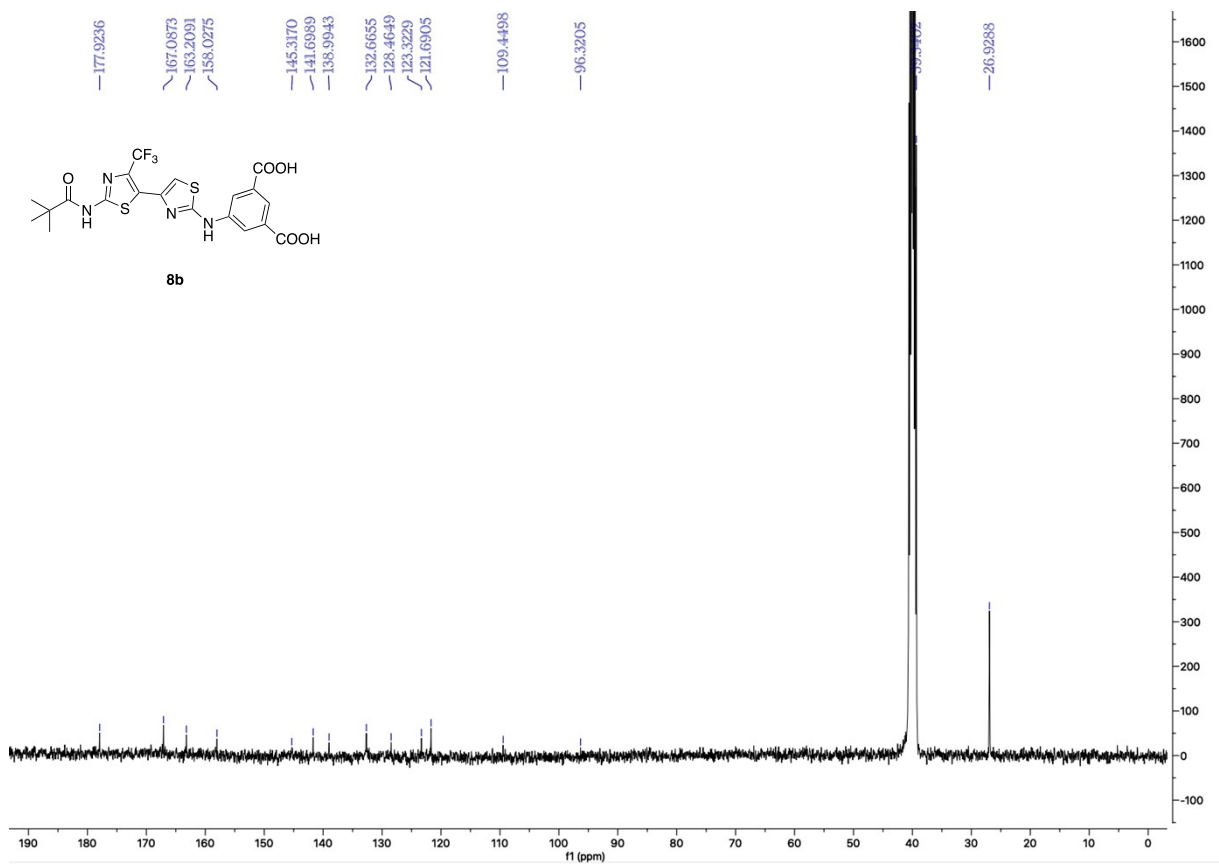
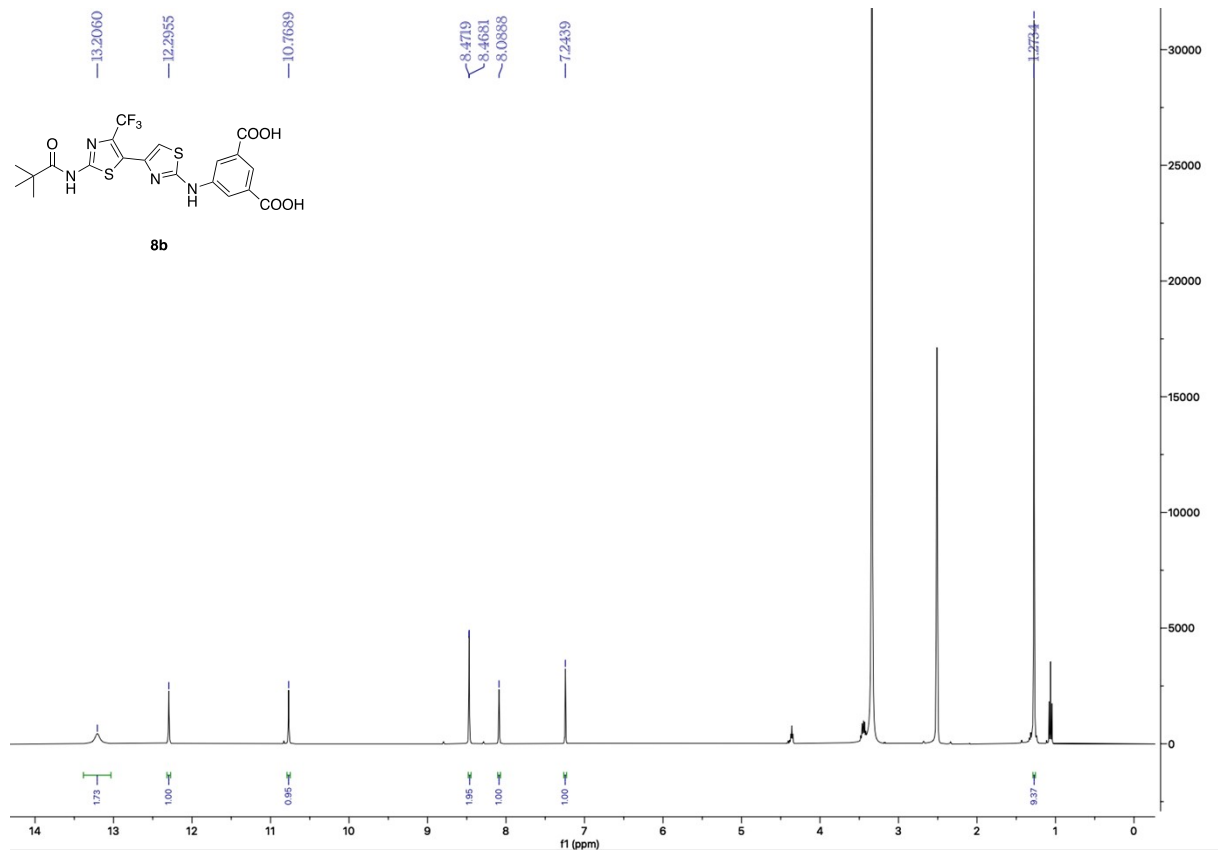
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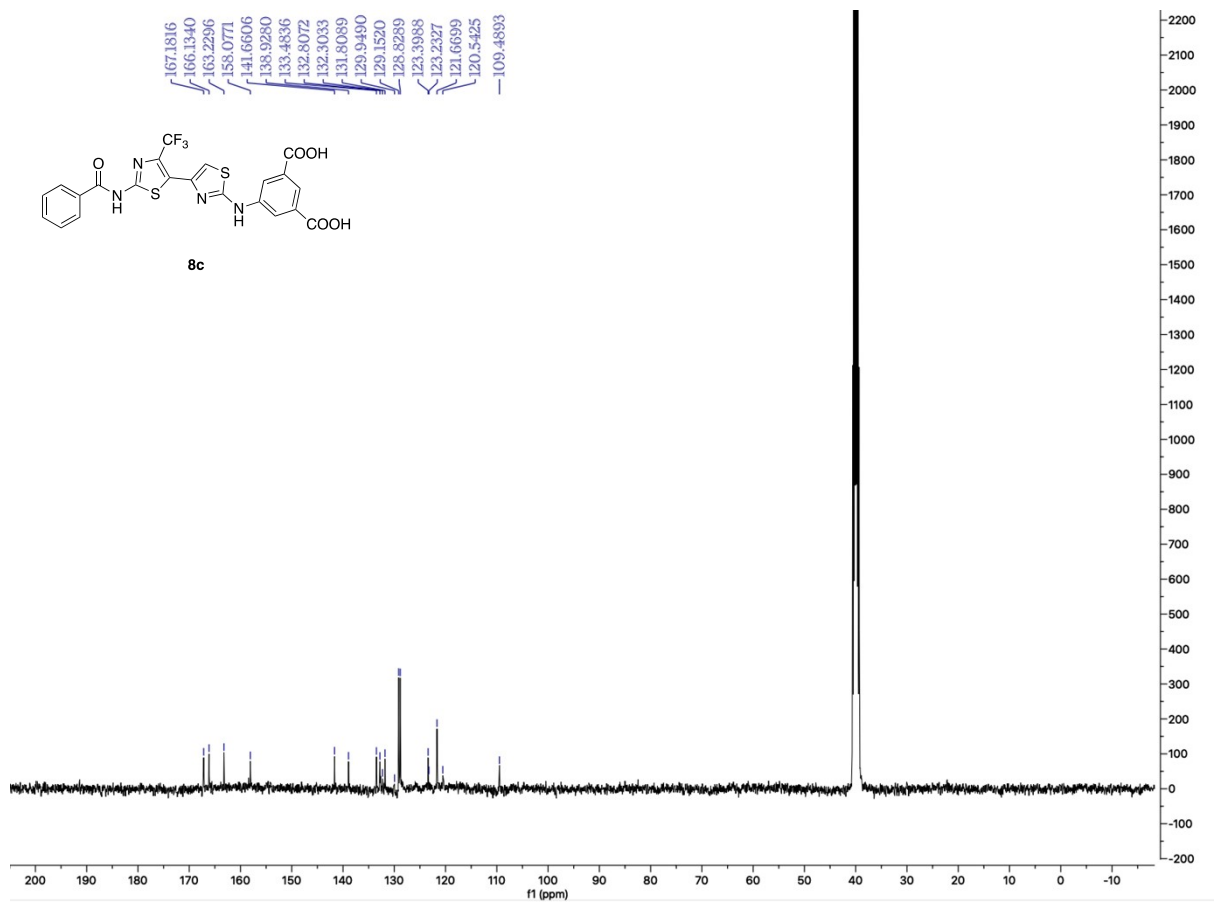
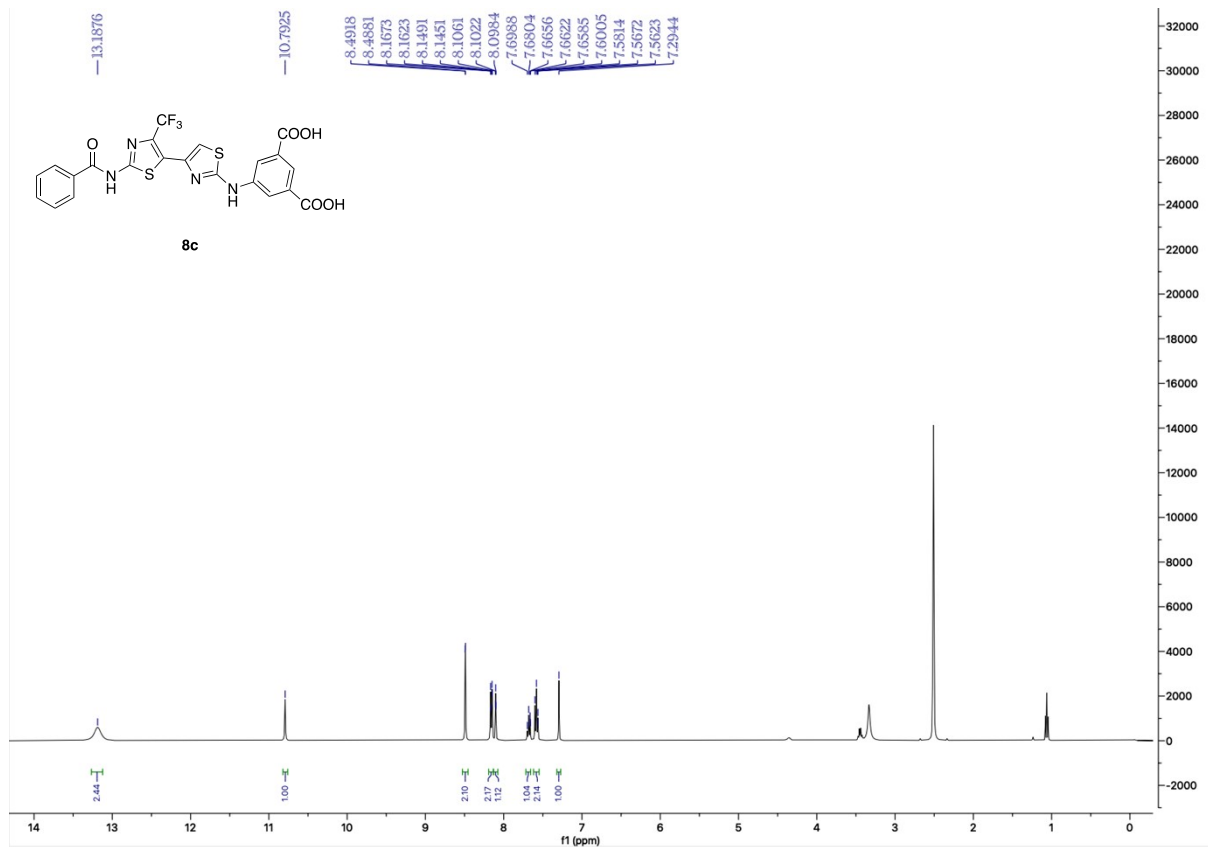
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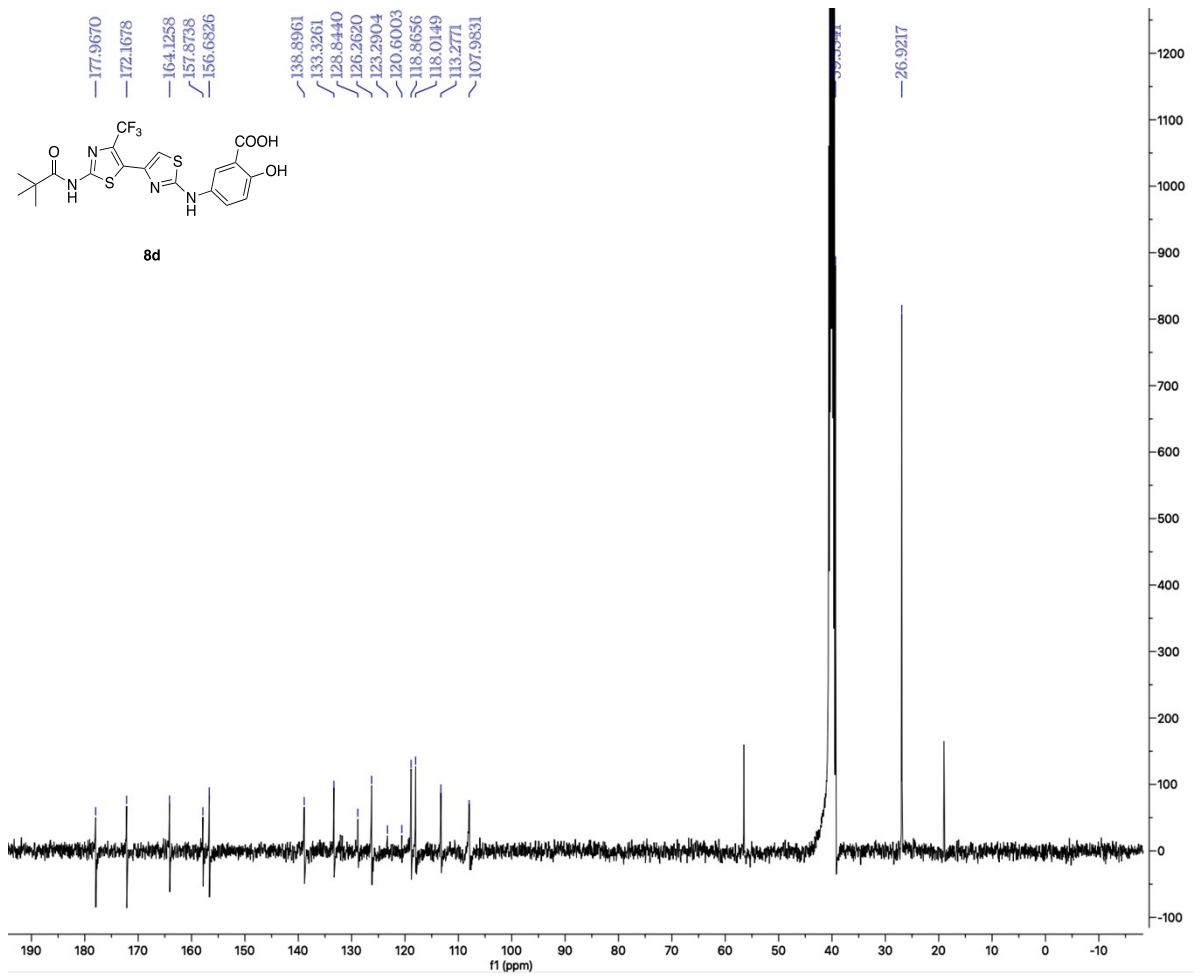
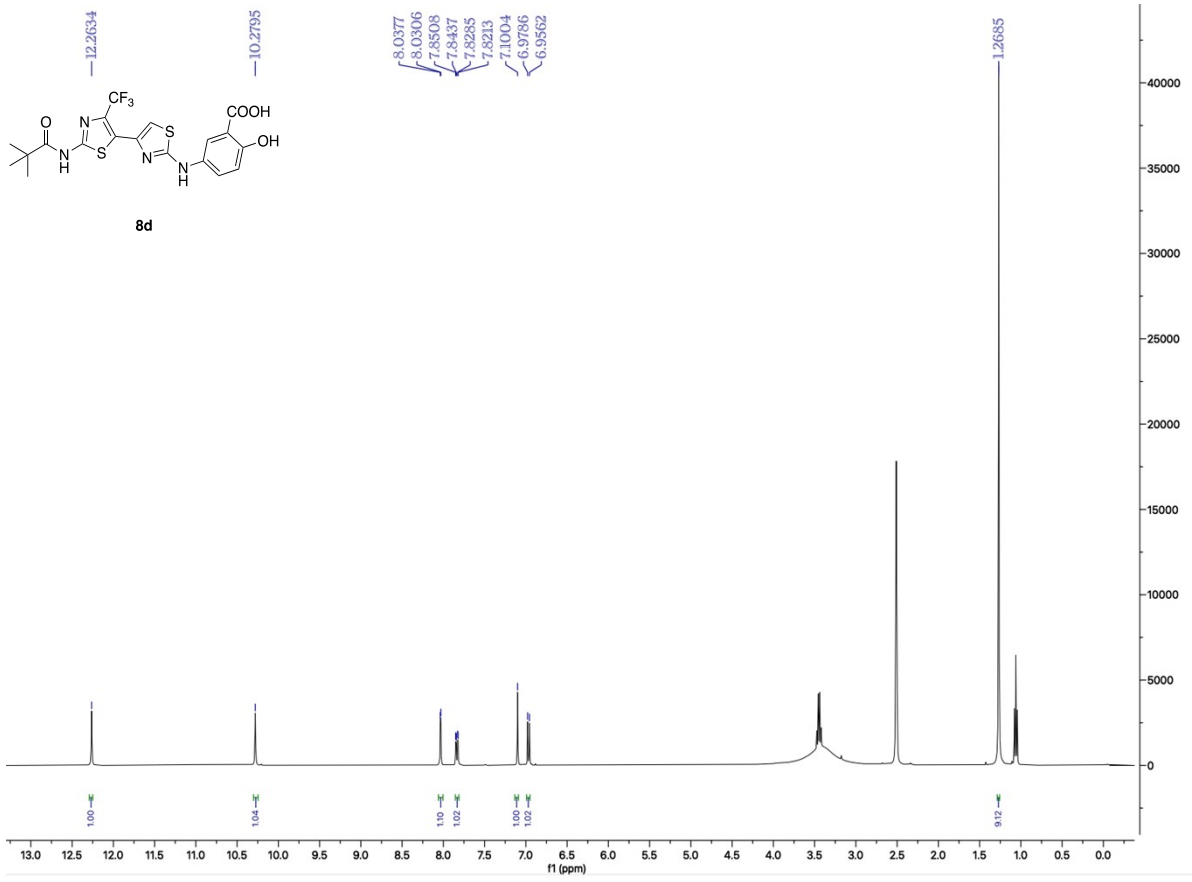
Contents

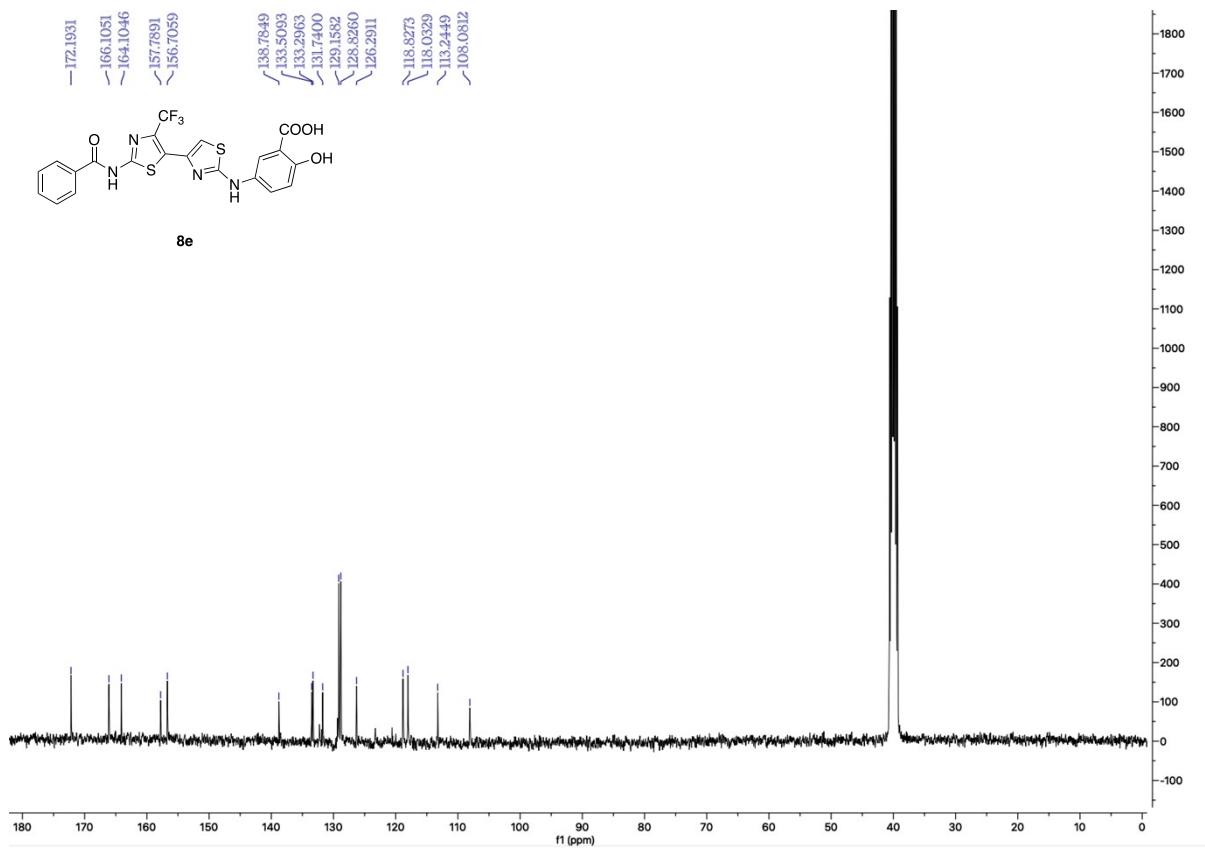
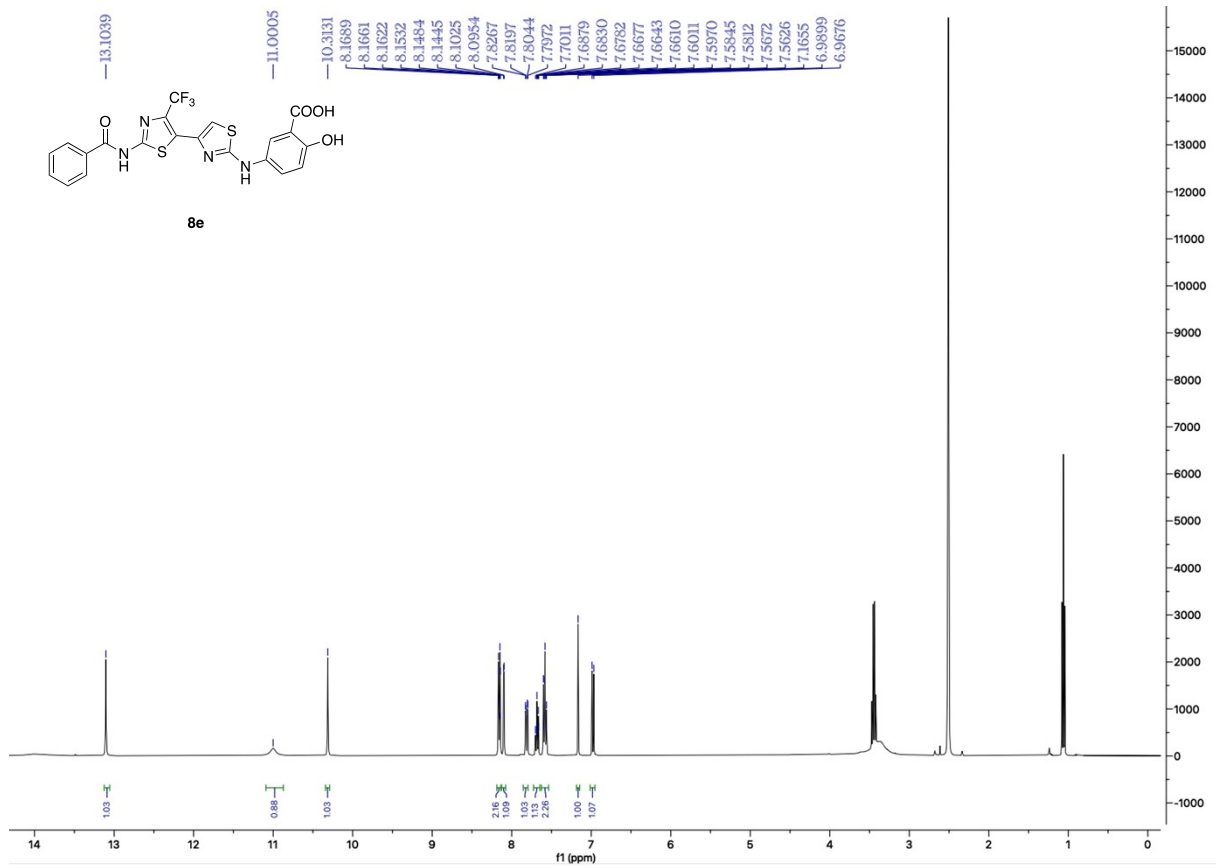
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|--|--------|
| 1. ¹ H and ¹³ C-NMR spectra of final compounds | S2-S12 |
| 2. ¹⁹ F NMR of compound 8j | S13 |
| 3. Figure S1. Sequencing of the hRVA16 3C protease | S14 |
| 4. Table S1. Elemental analysis of final compounds | S15 |

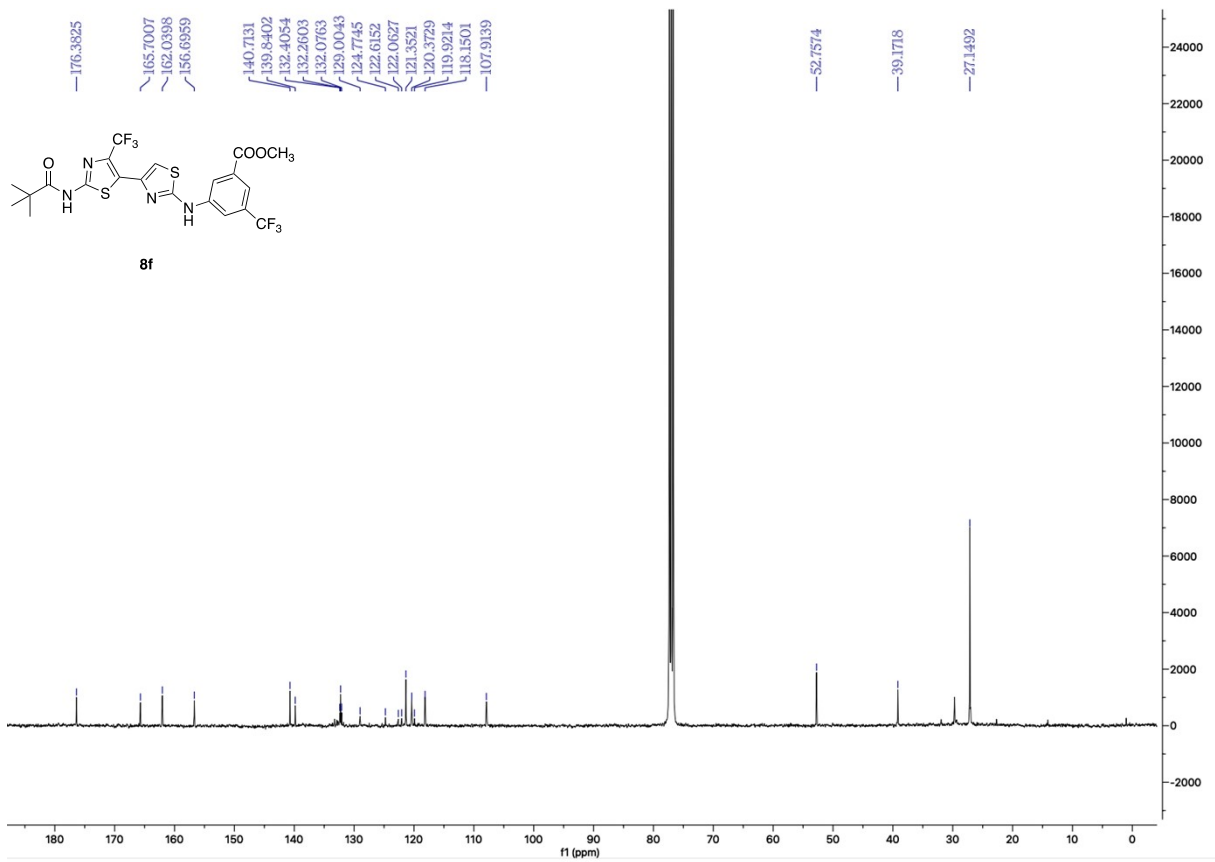
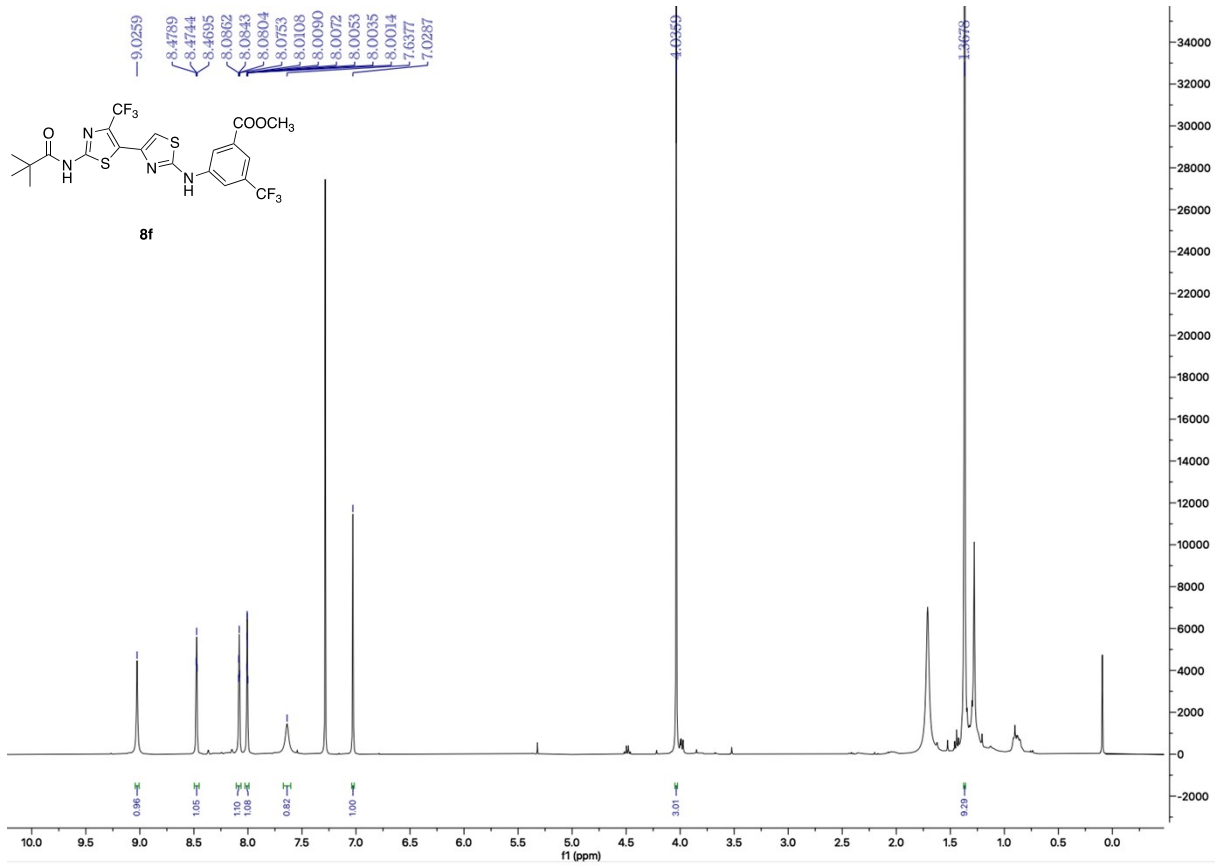


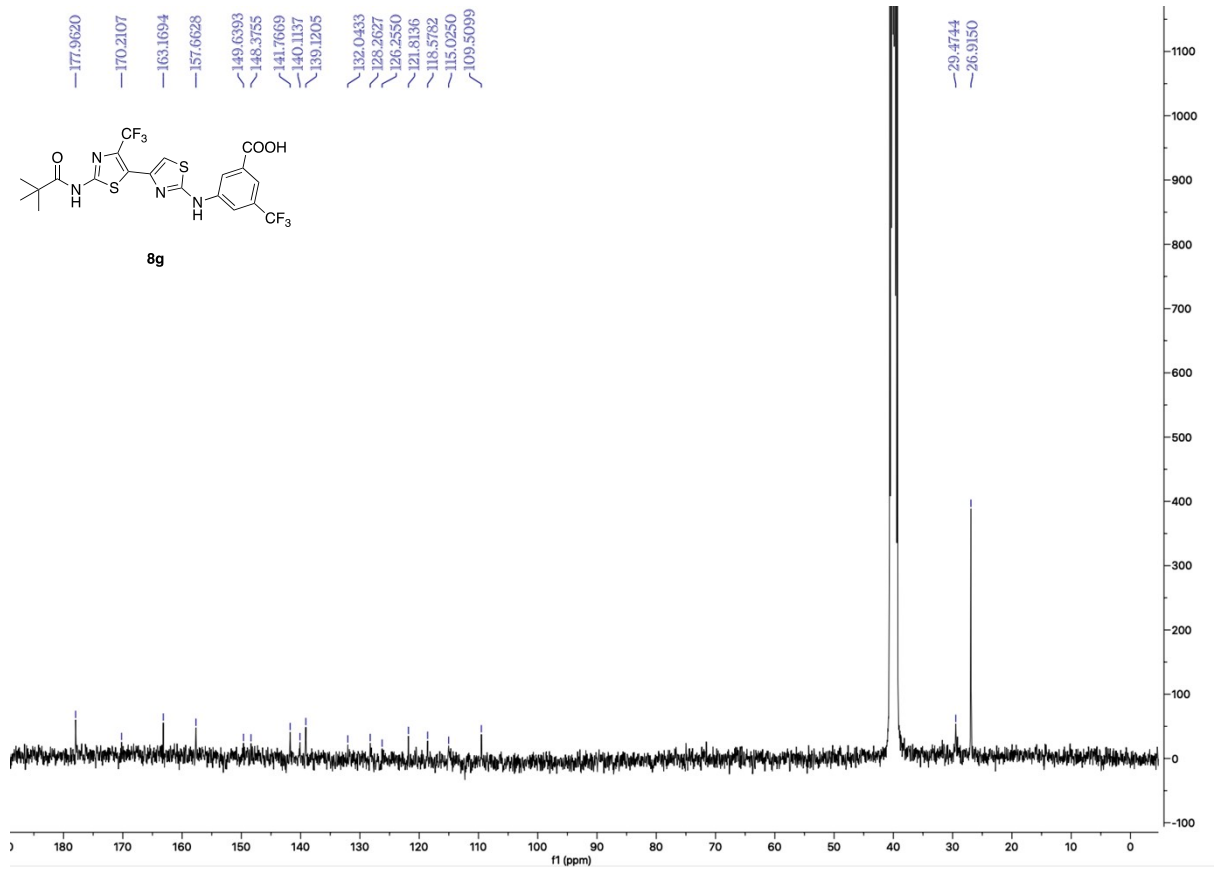
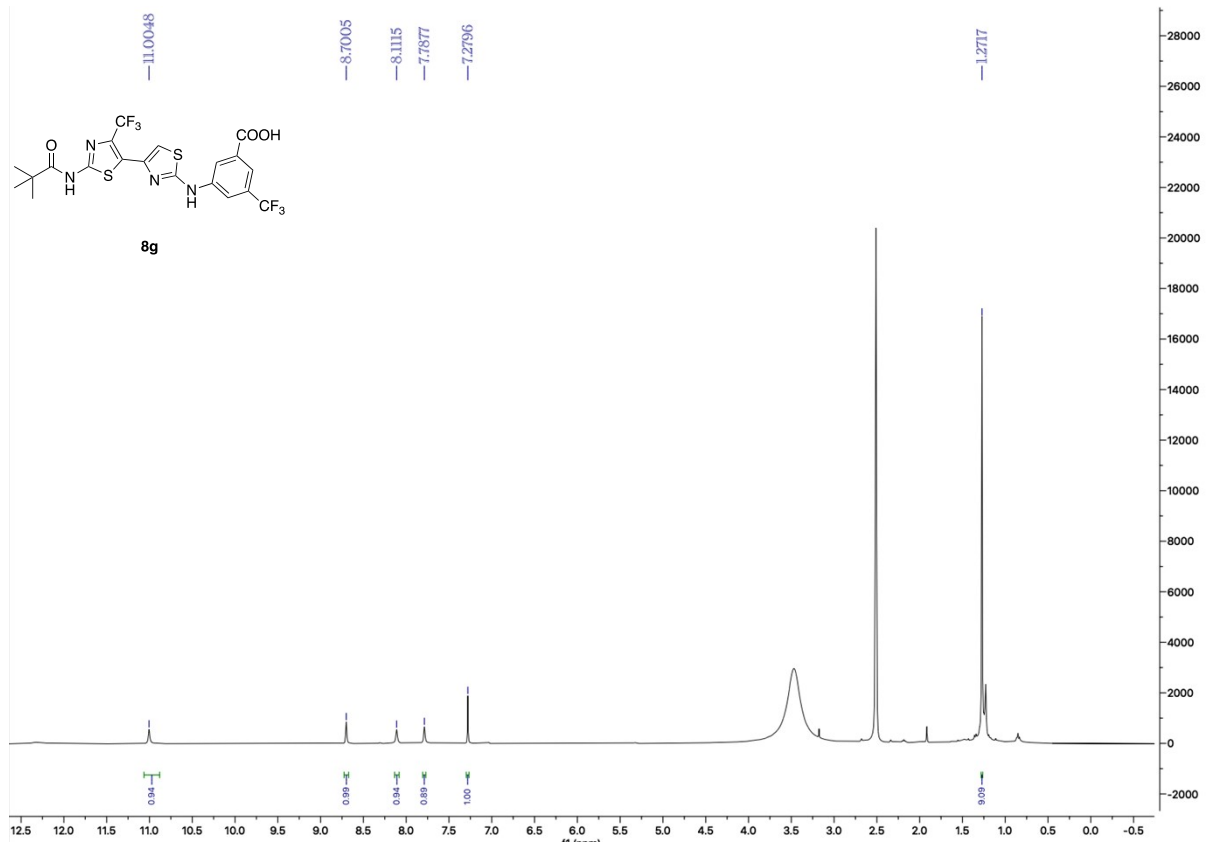


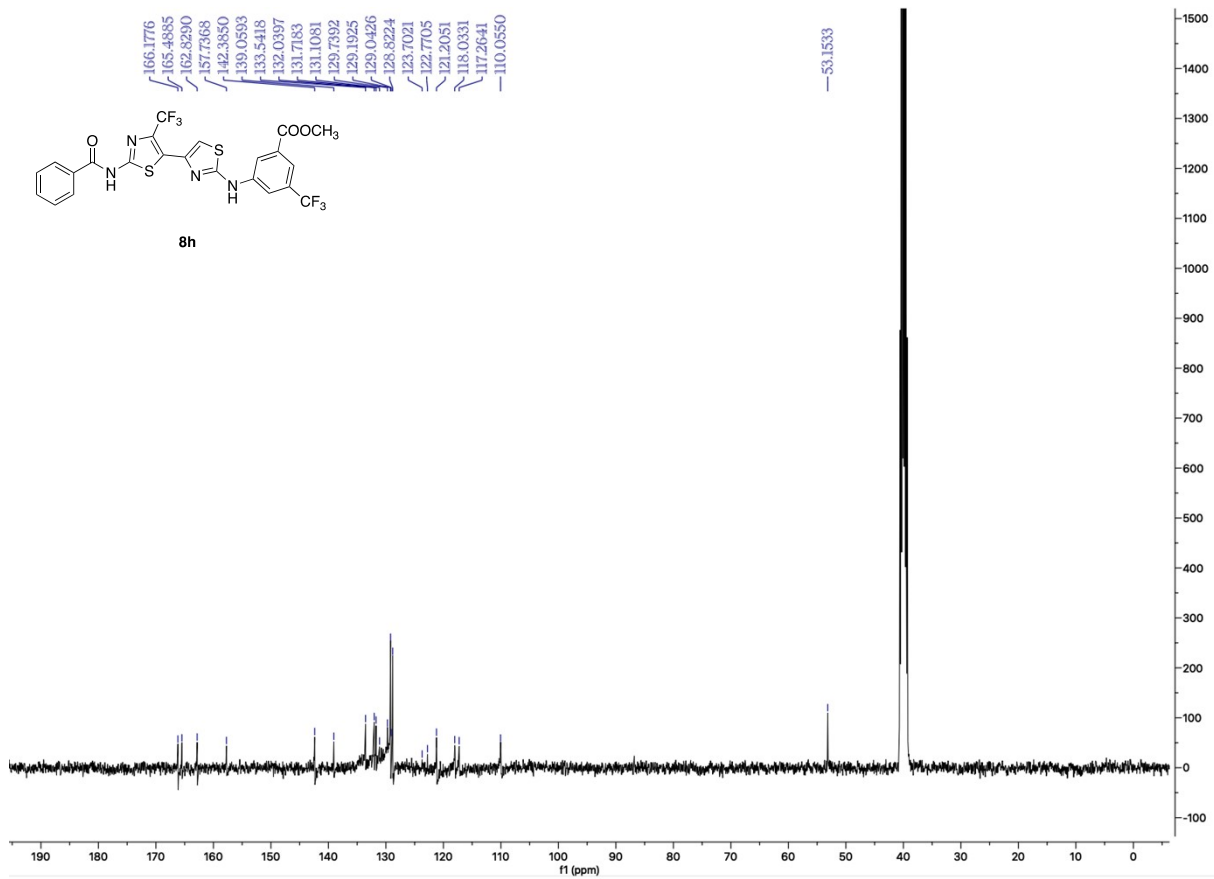
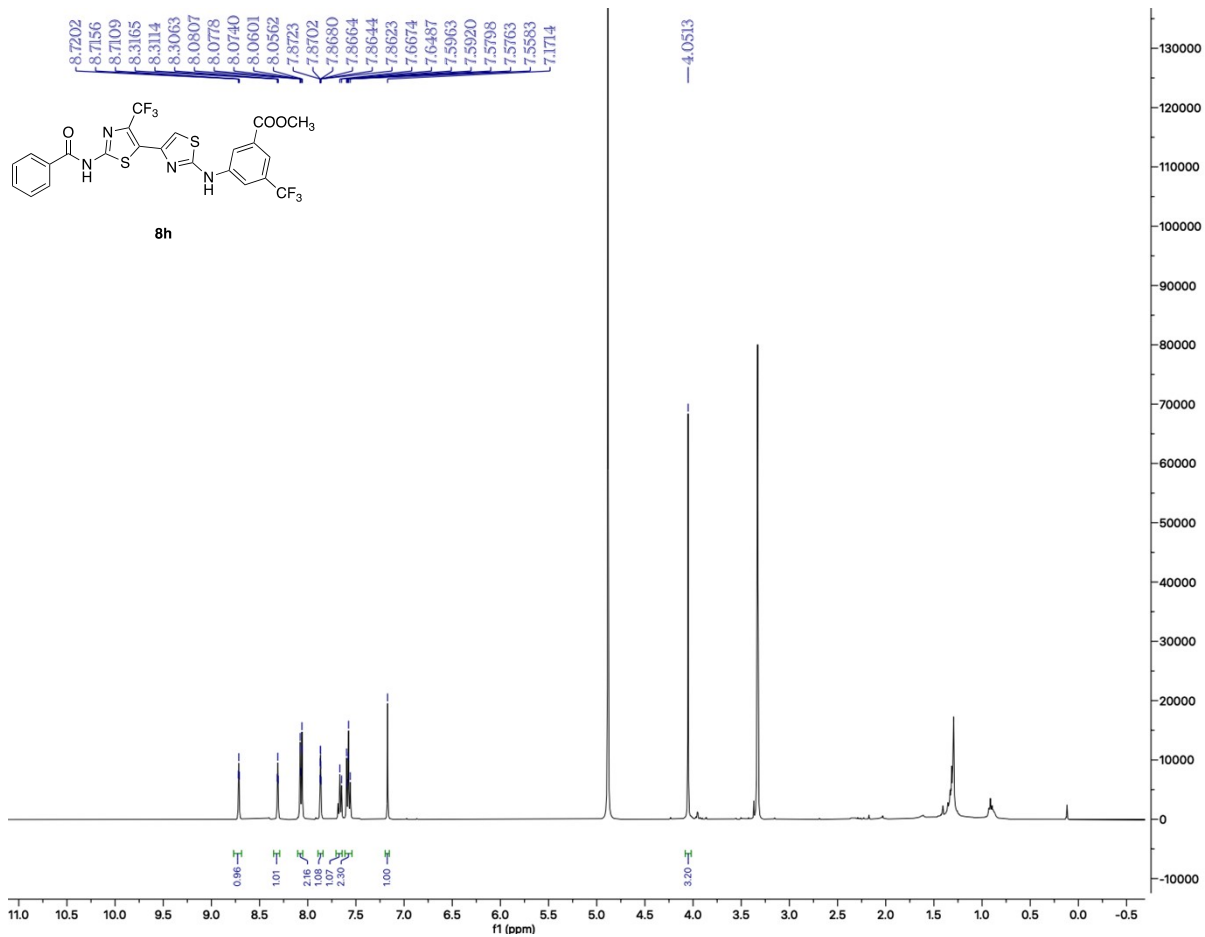


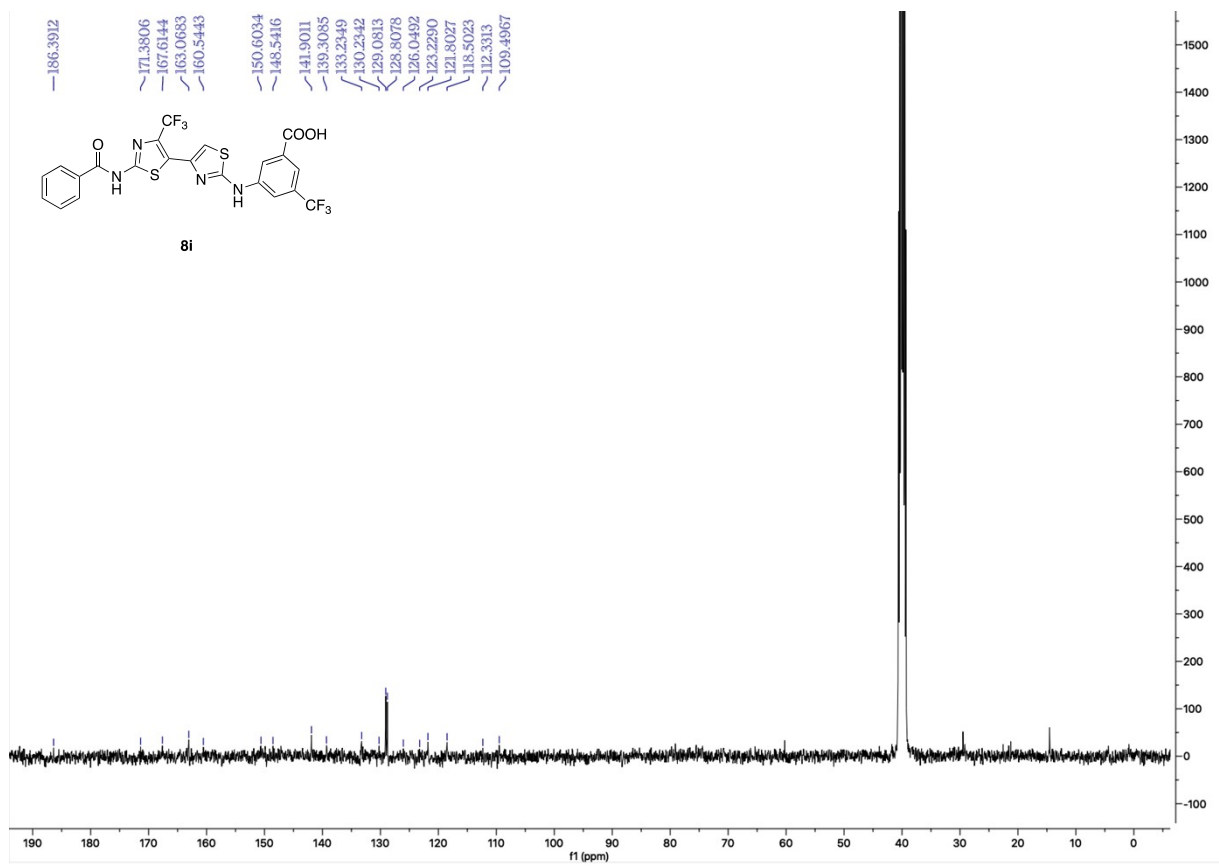
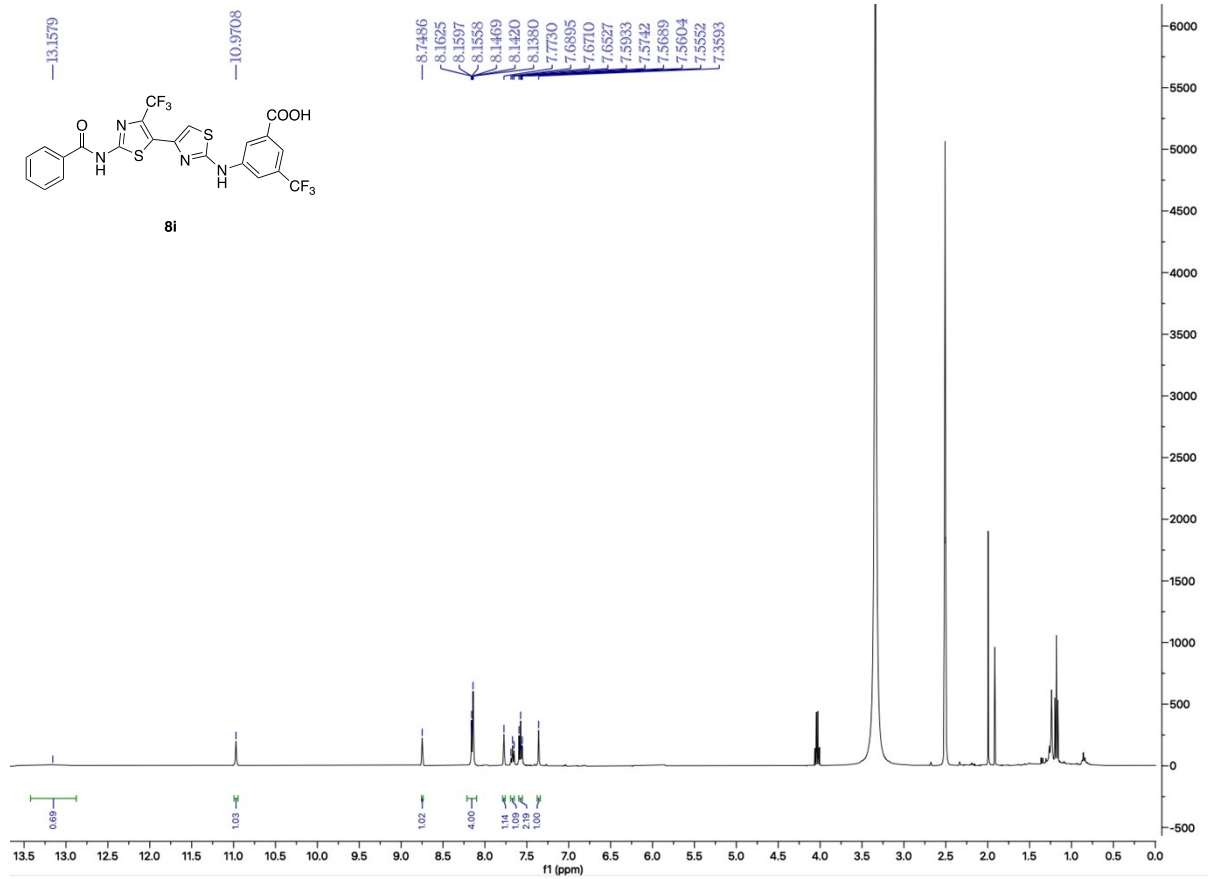


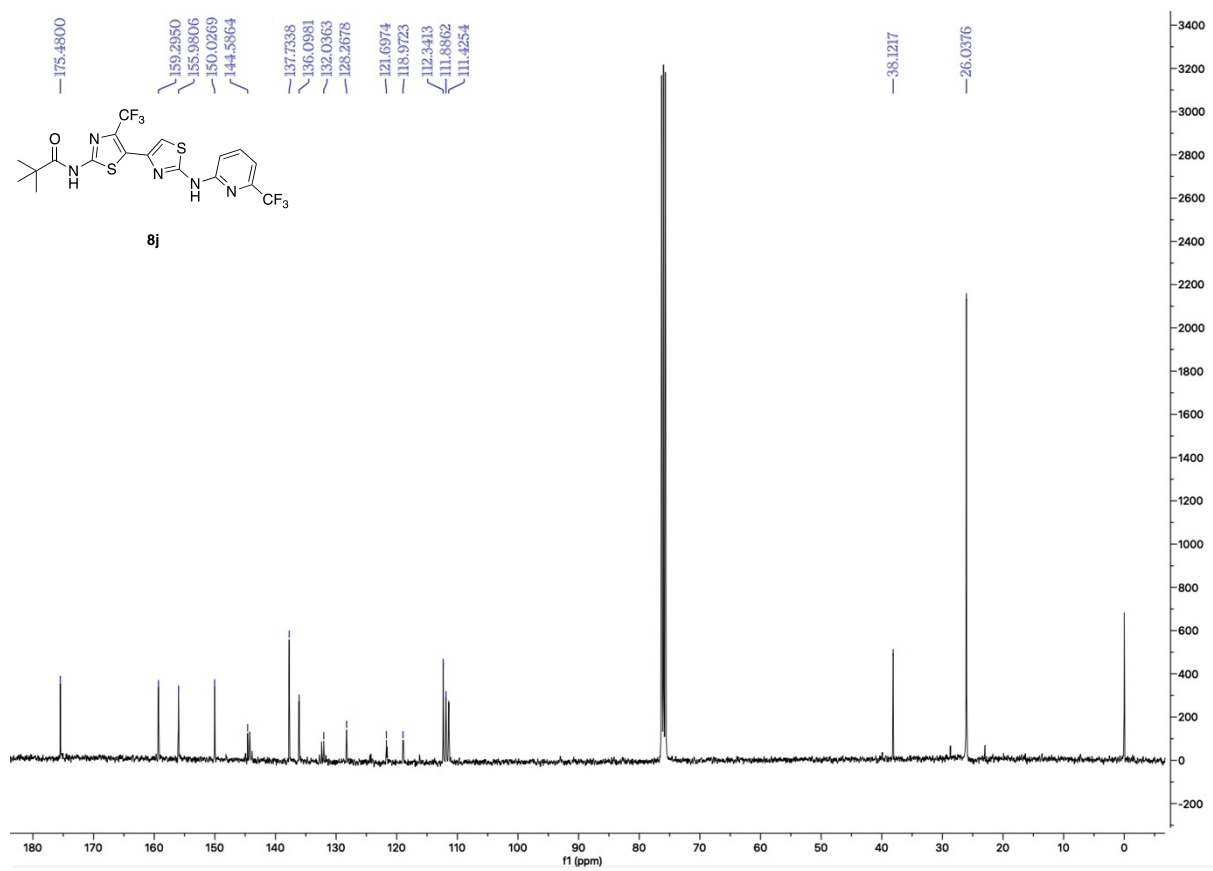
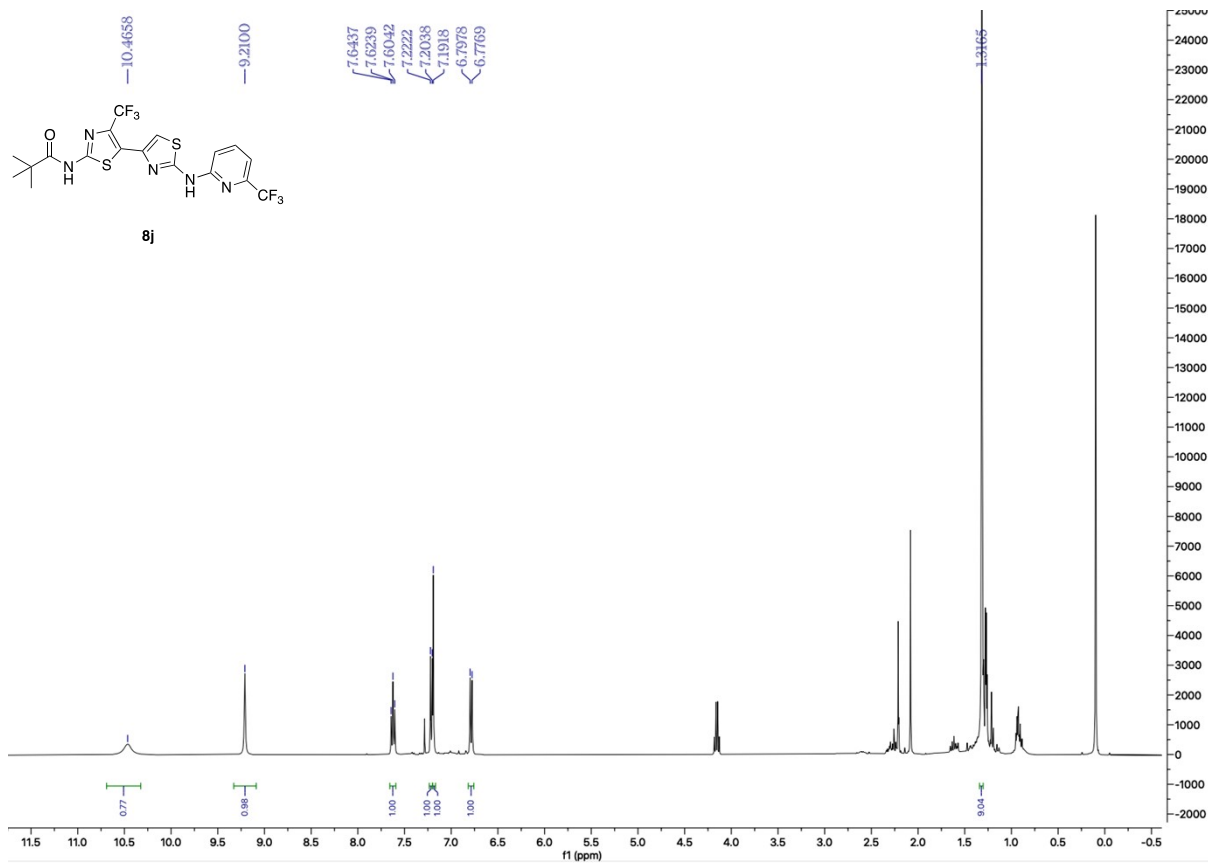


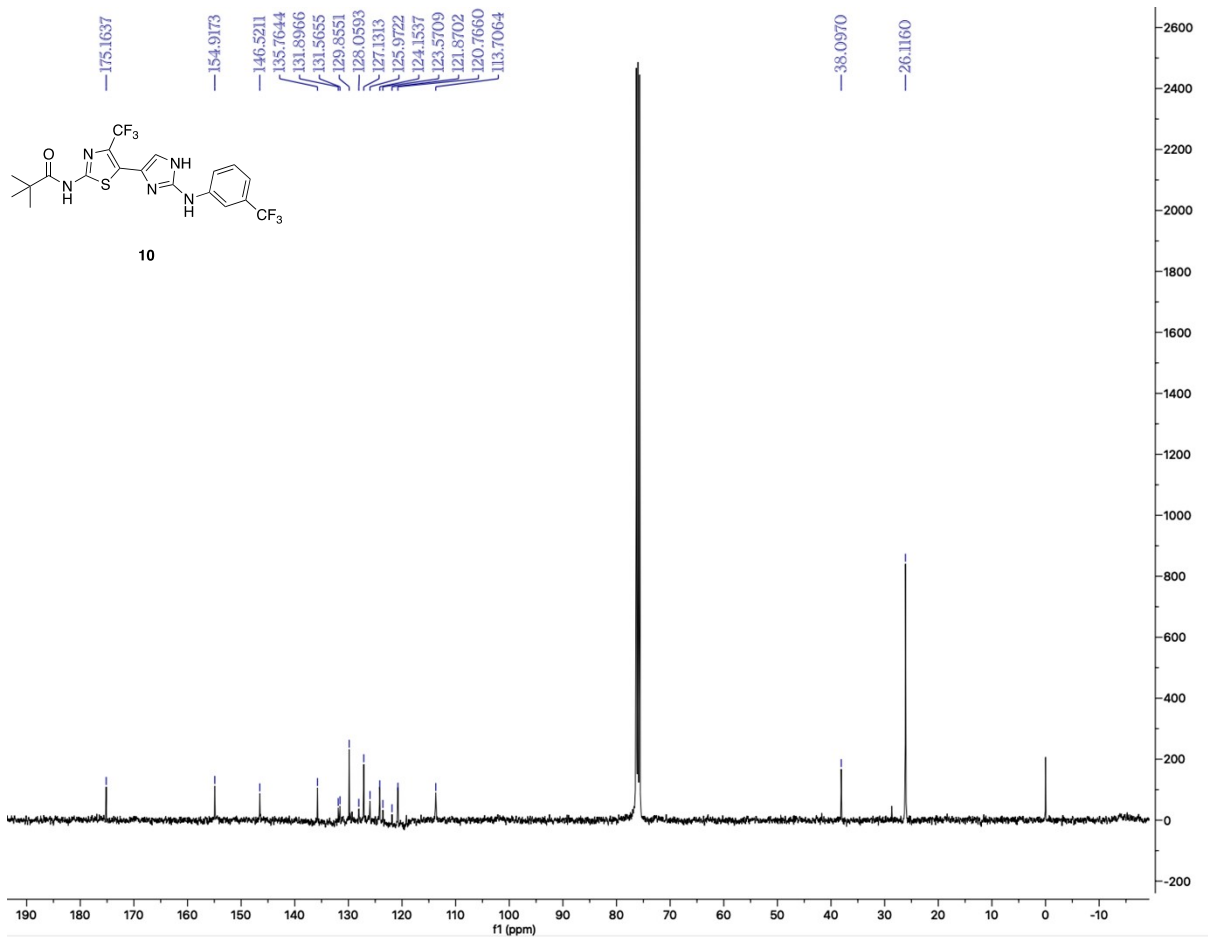
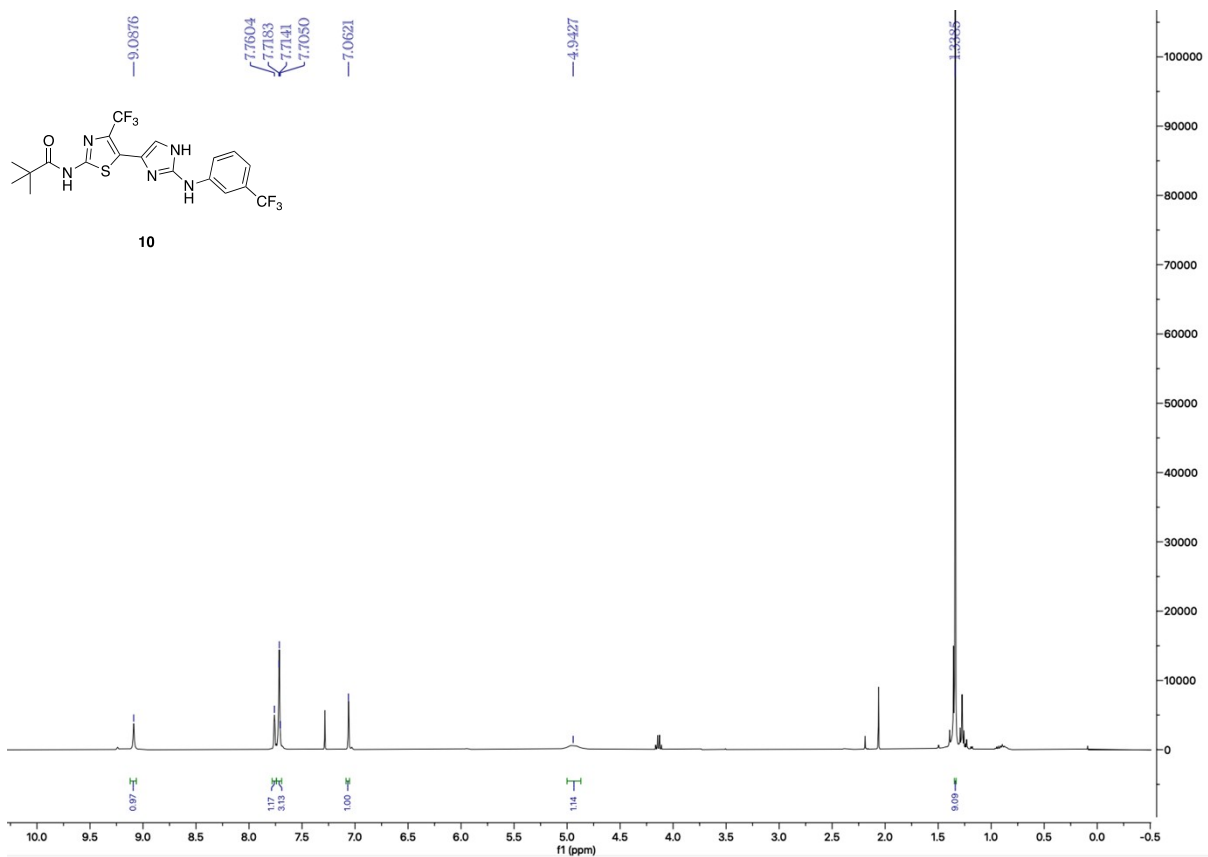


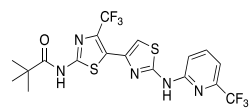






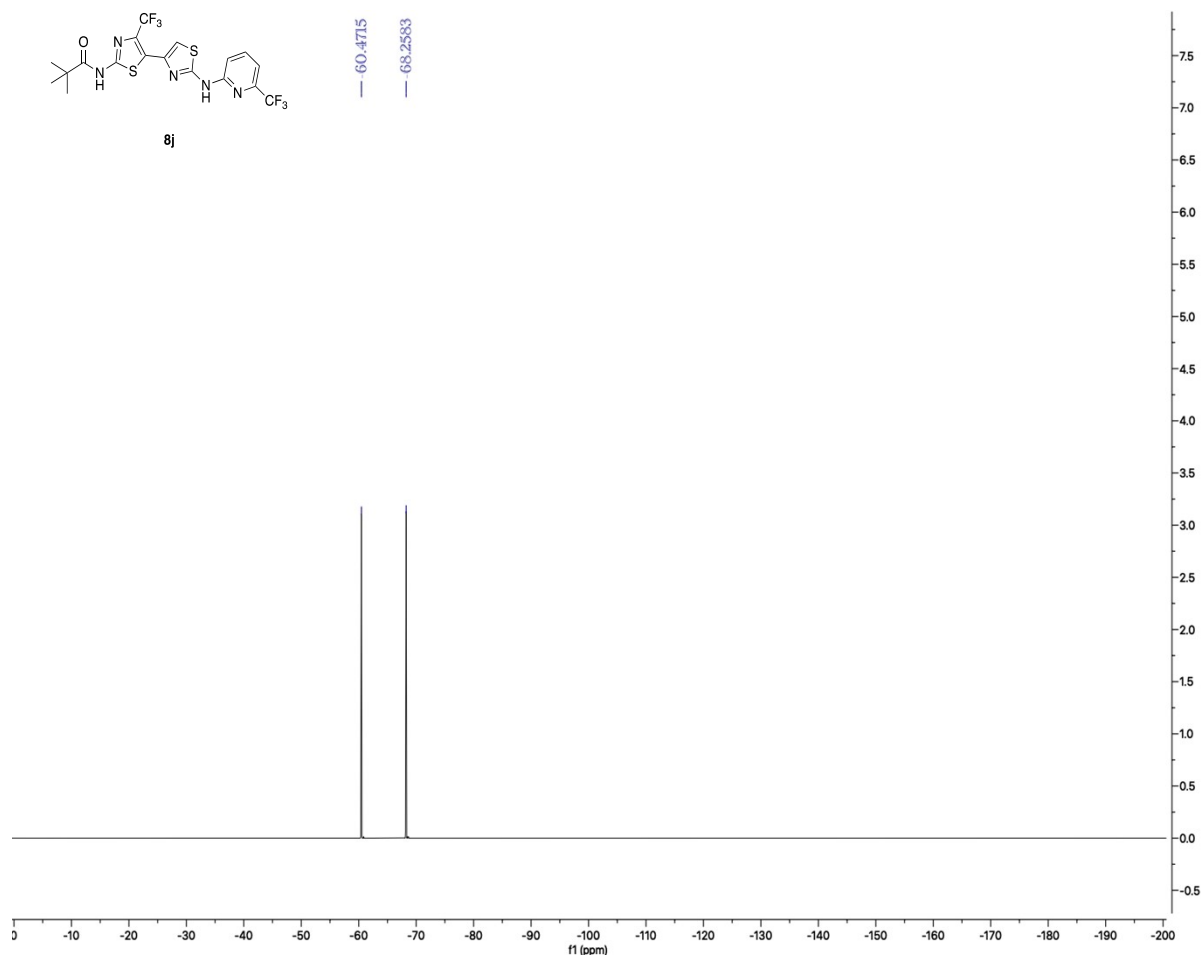






8j

— 60.4715
— 68.2583



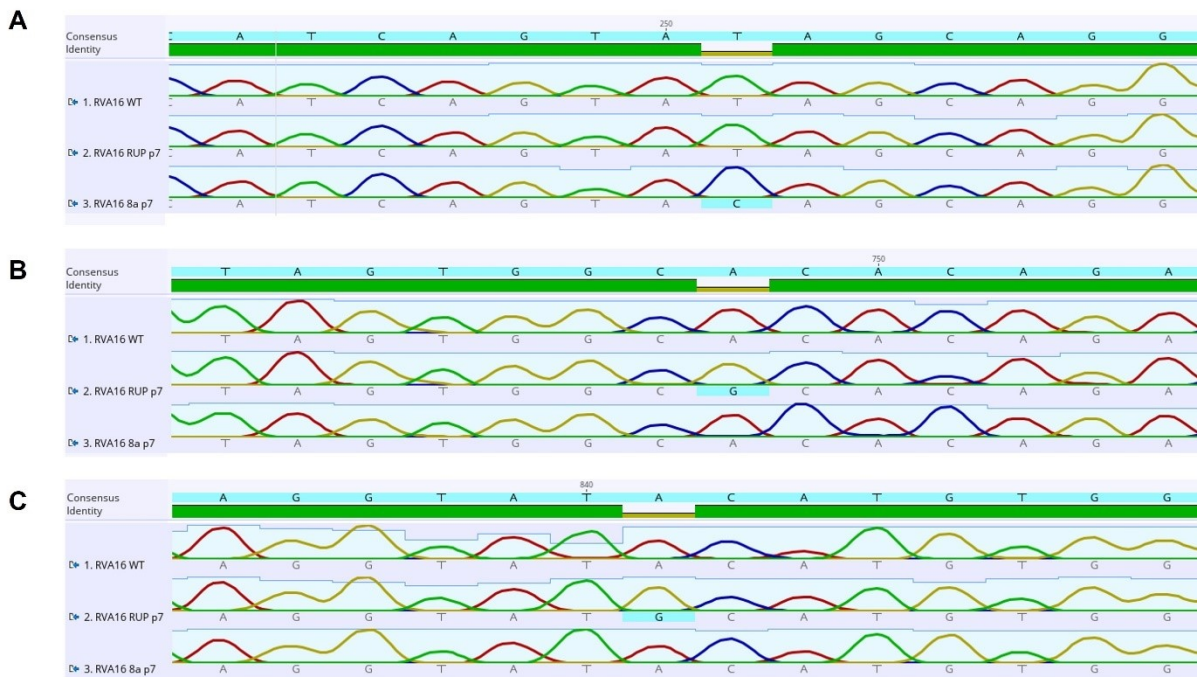


Figure S1. Results of sanger sequencing of the RVA16 passaged in absence of drugs (RVA16 WT), in presence of rupintrivir (RVA16 RUP p7), or in presence of **8a** (RVA16 8a p7). The sequence corresponds to the fragment 4809-5768 of the reference sequence NC_038311 A) Mutation C/T in RVA16 **8a** p7 resulting in I61T of protein 3A. B) Mutation G/A in RVA16 RUP p7 resulting in T130A of protein 3C. C) Mutation G/A in RVA16 RUP p7 resulting in I60M of protein 3C.

Table S1. Elemental analysis of final compounds

| Compd. | Elemental analysis (%) | | | | | |
|---------------|-------------------------------|------|-------|--------------|------|-------|
| | Calculated | | | Found | | |
| | C | H | N | C | H | N |
| 8a | 49.03 | 2.35 | 10.89 | 49.25 | 2.57 | 10.99 |
| 8b | 46.69 | 3.33 | 10.89 | 46.81 | 3.58 | 10.79 |
| 8c | 49.44 | 2.45 | 10.48 | 49.33 | 2.65 | 10.40 |
| 8d | 46.91 | 3.52 | 11.52 | 46.99 | 3.63 | 11.68 |
| 8e | 49.80 | 2.59 | 11.06 | 49.94 | 2.75 | 11.23 |
| 8f | 45.65 | 3.28 | 10.14 | 45.55 | 3.19 | 10.02 |
| 8g | 44.61 | 2.99 | 10.40 | 44.84 | 3.15 | 10.52 |
| 8h | 48.25 | 2.46 | 9.79 | 48.29 | 2.62 | 9.69 |
| 8i | 47.31 | 2.17 | 10.03 | 47.44 | 2.31 | 10.26 |
| 8j | 43.63 | 3.05 | 14.13 | 43.83 | 3.18 | 14.31 |
| 10 | 47.80 | 3.59 | 14.67 | 47.88 | 3.76 | 14.79 |