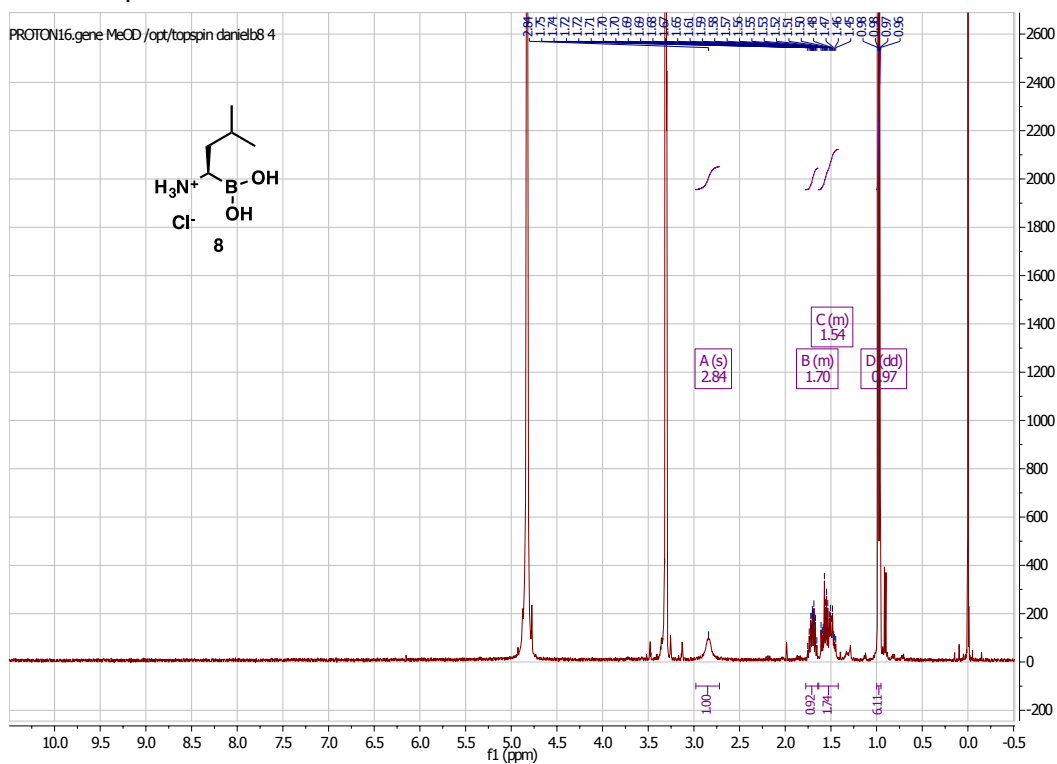
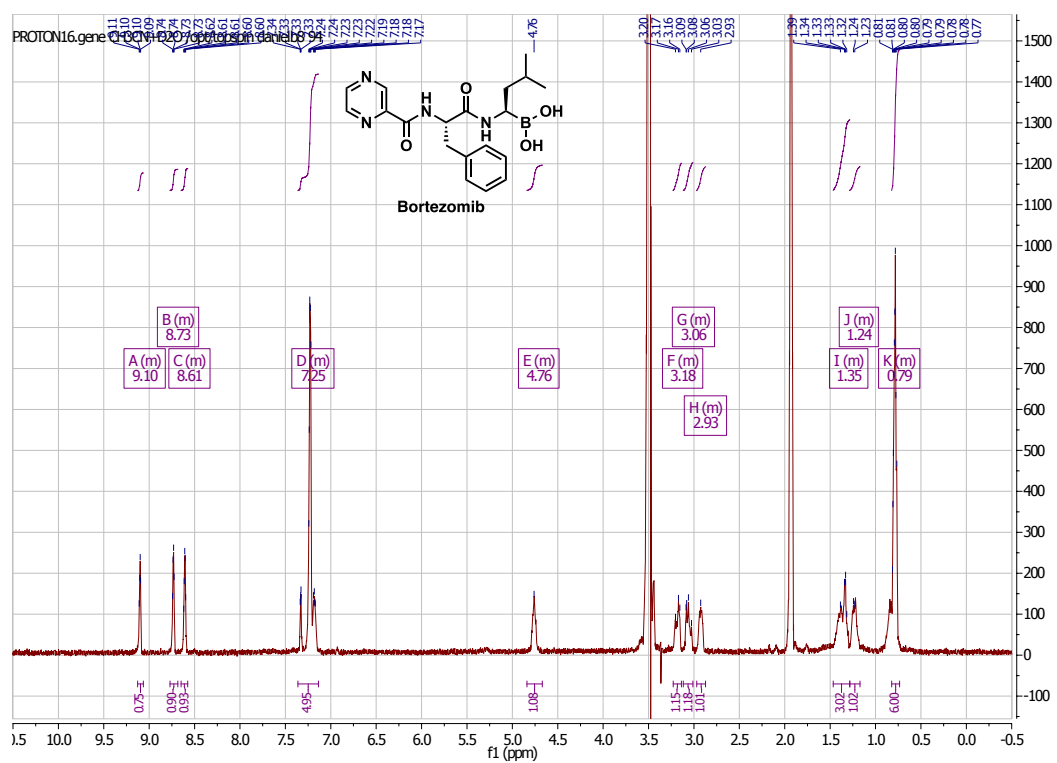


Copies of NMR spectra

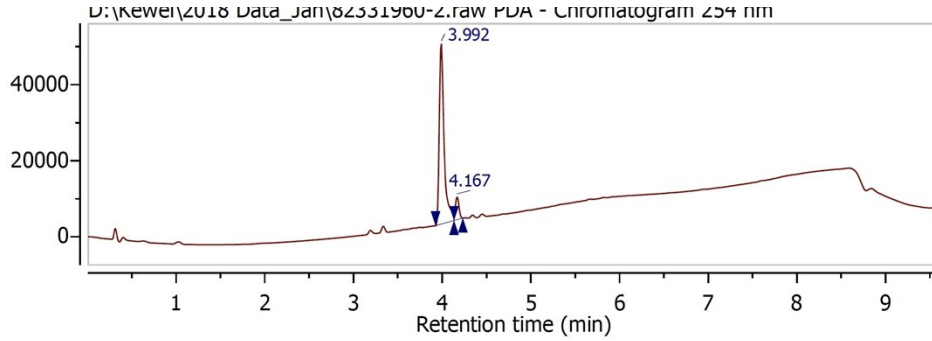
¹H NMR of compound **8**



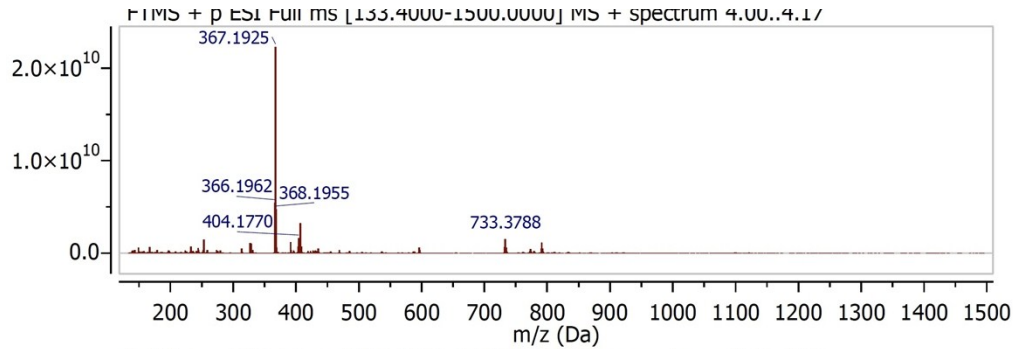
¹H NMR of Bortezomib



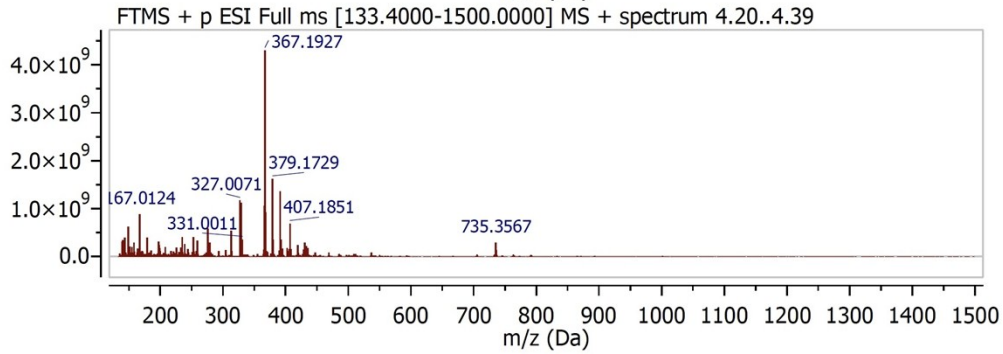
HPLC trace of Bortezomib



| UV 254 (>= 1%) | | |
|----------------|--------|--------|
| RT | Area % | MS+ |
| 3.99 | 91.05 | 367.19 |
| 4.17 | 8.95 | 367.19 |



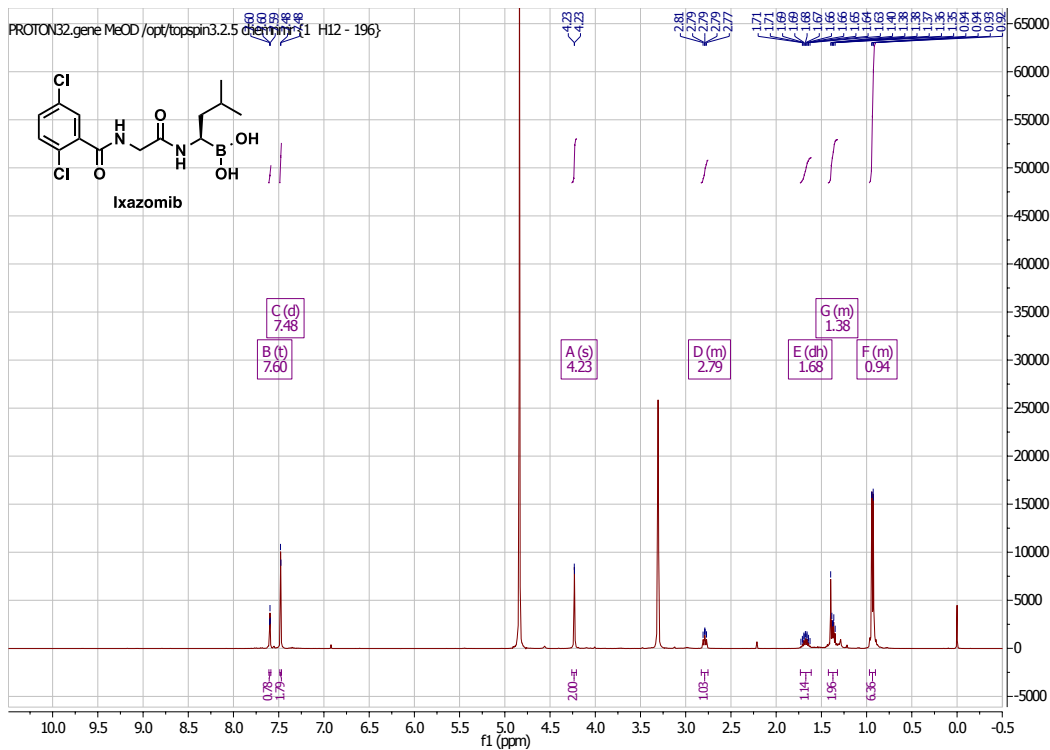
MS of peak at R.T. 3.99



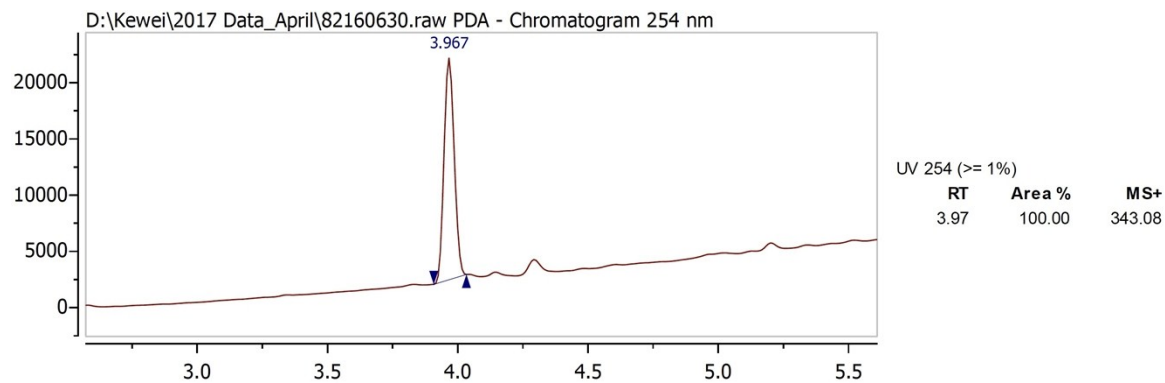
MS of peak at R.T. 4.17

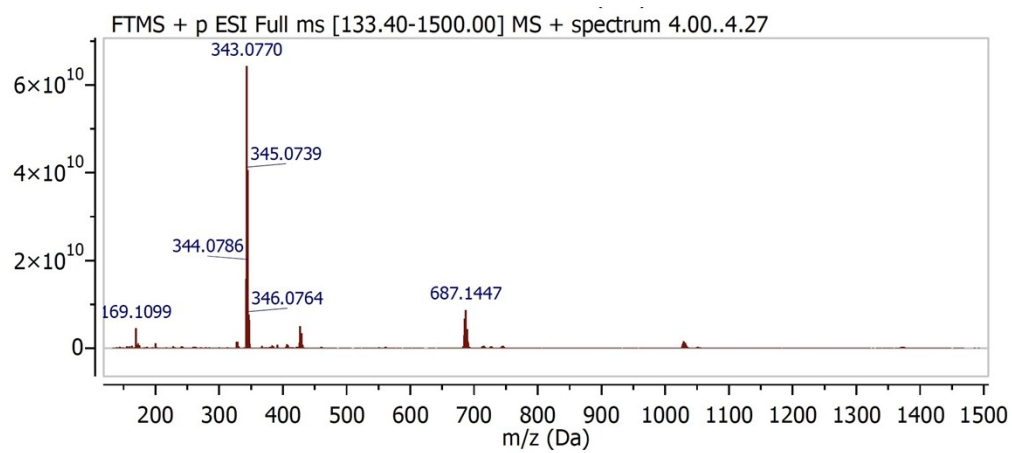
NOTE: Compounds that elute at 3.99 min and 4.17 min are the same. The difference in retention times can be attributed to dimerization or trimerization of the parent boronic acid.

¹H NMR of Ixazomib



HPLC trace of Ixazomib





References

1. For ¹H NMR of **Bortezomib** see: M. A. Beenen, C. An and J. A. Ellman, *J. Am. Chem. Soc.*, 2008, **130**, 6910–6911.
2. For ¹H NMR of **Ixazomib** see: C. Li, J. Wang, L. M. Barton, S. Yu, M. Tian, D. S. Peters, M. Kumar, A. W. Yu, K. A. Johnson, A. K. Chatterjee, M. Yan and P. S. Baran, *Science*, 2017, **356**(6342), eaam7355.