

Sophie Shevick







(+)-ophiobolin C

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Shenvi Lab Group Meeting 3/19/18



Ophiobolin A (Nakada, 2011) Chem Eur. J., **2013**, *19*, 5476-5486 ACIE, **2011**, *50*, 9452-9455 OL, **2006**, *8*, 2039-2042



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(-)-6-*epi*-ophiobolin N (Maimone, 2016) *Science*, **2016**, *352*, 1078-1082





\*Thiols have a lower S-H bond strength and can donate H and propagate radical chain



## Conclusion

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\*potential biological significance and questions makes these targets worth pursuing

\*medium-sized rings display changes in reactivity based on transannular interactions, not as important in small or large ring systems

## **Future Directions**

\*synthetic potential for this class of molecules exists, particularly with new C-C bond forming reaction methods \*conformational rigidity important for stereoselective transformations