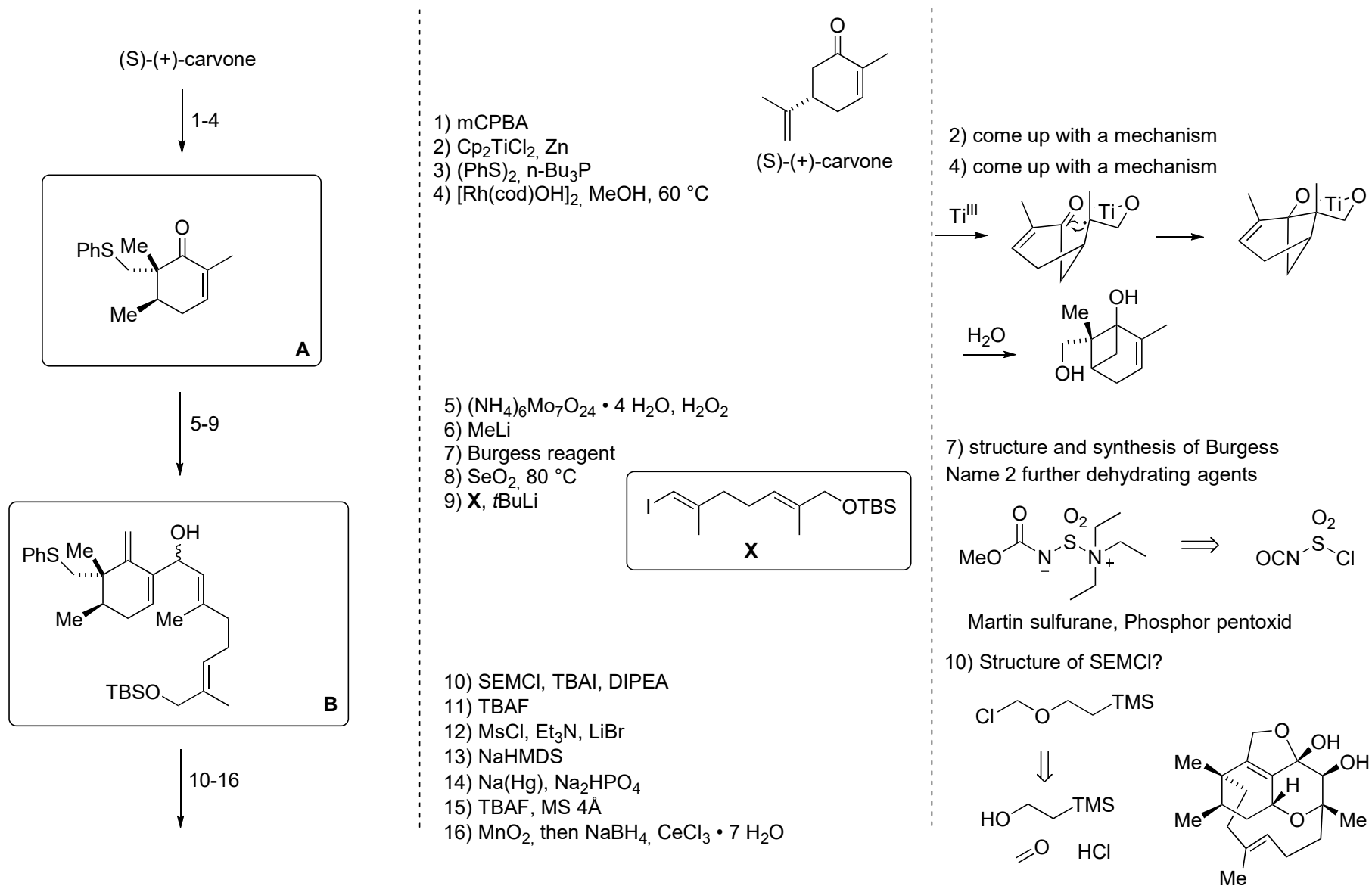
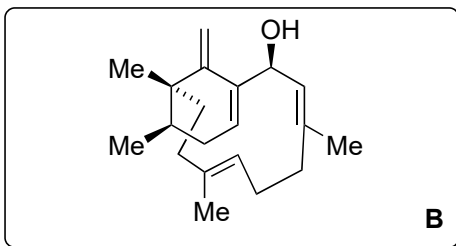


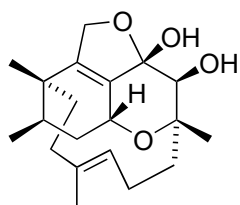
Isolation, synthesis and bioactivity studies of phomactin terpenoids

Y. Kuroda, K. J. Nicacio, I. A. da Silva-Jr, P. R. Leger, S. Chang, J. R. Gubiani, V. M. Deflon, N. Nagashima, A. Rode, K. Blackford, A. G. Ferreira, L. D. Sette, D. E. Williams, R. J. Andersen, S. Jancar, R. G. S. Berlinck, R. Sarpong, *Nature Chemistry* **2018**, *10*, 938-945.





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Phomactin A

- 17) $\text{VO}(\text{OEt})_3$, TBHP
 18) $\text{Me}_4\text{NBH}(\text{OAc})_3$ CsOAc, 18-crown-6
 19) DMP, NaHCO_3 then NaOMe
 20) Red-Al[®]

Mechanism step 4)

