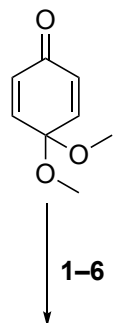
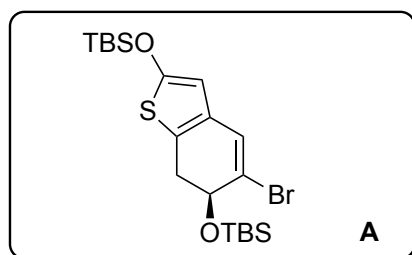


Convergent Total Synthesis of Aleutianamine

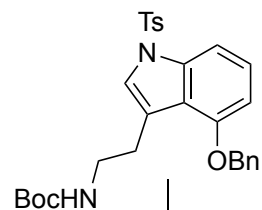
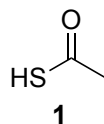
Tuccinardi Joseph P.; Wood John L. *J. Am. Chem. Soc.* **2025**, 147 (7), 5736–5742.



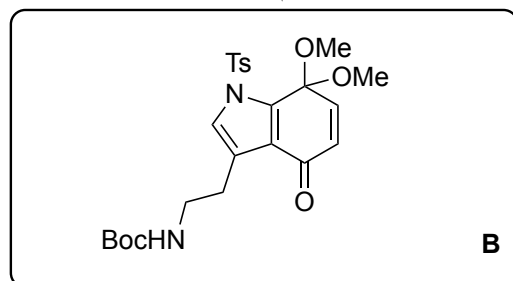
1–6



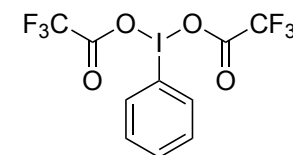
- 1) LDA, **1** then 6M HCl
- 2) Br₂
- 3) NaBH₄
- 4) TBSCl
- 5) MsCl, Et₃N
- 6) TBSOTf, Et₃N, DCM



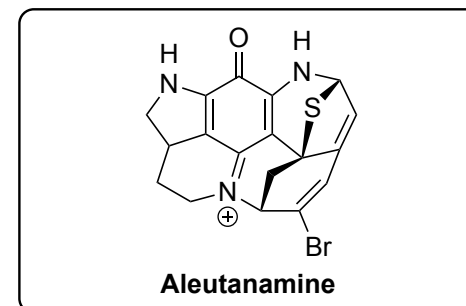
7–8



- 7) H₂ / Pd(OH)₂
- 8) PIFA, MeOH

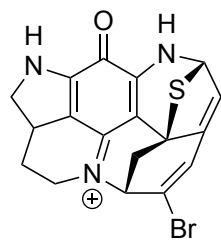


- 8) Structure of PIFA?
- Hint: 2 products will occur



A + B

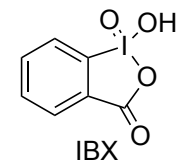
9–19



Aleutanamine

- 9) SnCl_4 (cat.)
- 10) HF, pyridine *then* MsCl , Et_3N
- 11) BBr_3 *then* Boc_2O , aq. K_2CO_3
- 12) IBX
- 13) TFA *then* Et_3N
- 14) PCl_5 *then* DBU
- 15) H_2 Pd/C
- 16) MeI , K_2CO_3
- 17) DIBAL
- 18) CAN *then* aq. NH_3 *then* TFA
- 19) NaOMe *then* TFA

12) Structure of IBX?



18) Structure of CAN?

