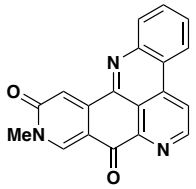
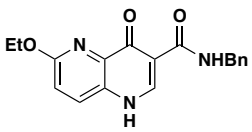
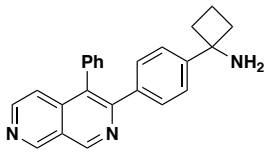
Study music: Copeland and Haydn



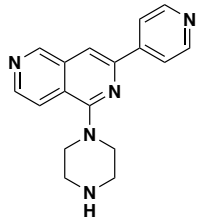
amphimedine
Stille, *JACS* **1988**, *110*, 4051
Nakahara, *Heterocycles* **1988**, *27*, 2095
Prager, *Heterocycles* **1989**, *29*, 847
Review: *Adv. Het. Nat. Prod. Syn.* **1992**, *2*, 377



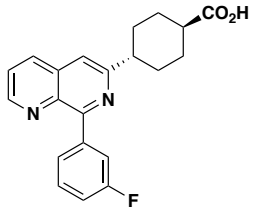
GABA-A inverse agonist
Pfizer, *OPRD* **2003**, *7*, 873.



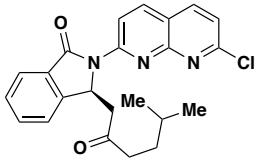
AKT inhibitor
AstraZeneca, *J. Med. Chem.* **2012**, *55*, 1261.



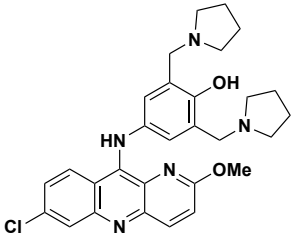
PKD inhibitor
Novartis, *J. Med. Chem.* **2010**, *53*, 5400.



PDE-4 inhibitor
Novartis, *OPRD* **2010**, *14*, 883.



Pagoclone
Pfizer, *OPRD* **2003**, *7*, 851.



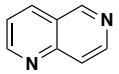
Pyronaridine (antimalarial)
OPRD **2014**, *18*, 349

Partial list of concepts/transforms discussed:
Pyridine forming reactions
Fused heterocycles

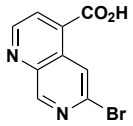
Reading assignment: HC - chapter 9, PCC - 6/6 fused heterocycles chapter,

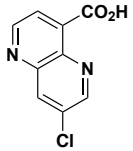
Problems of the day:

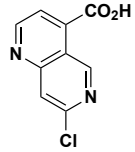
1 Provide multiple routes towards 1,6 naphthyridine



2 Propose a route to each of the following isomers.







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