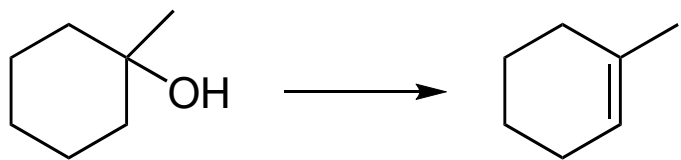
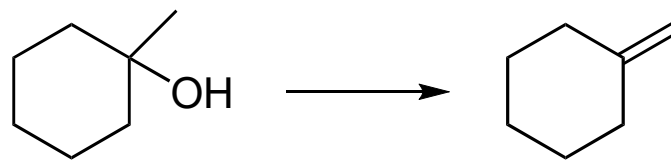


Provide reagents needed to achieve each transformation.



- A) 1) TsCl, pyridine
2) H₂SO₄, heat
- B) EtONa, EtOH
- C) 1) HBr
2) t-BuOK
- D) H₂SO₄, heat
- E) HBr, heat



- A) EtONa, EtOH
- B) H₂SO₄, heat
- C) 1) TsCl, pyridine
2) t-BuOK
- D) 1) TsCl, pyridine
2) NaOH, H₂O
- E) t-BuOK, t-BuOH