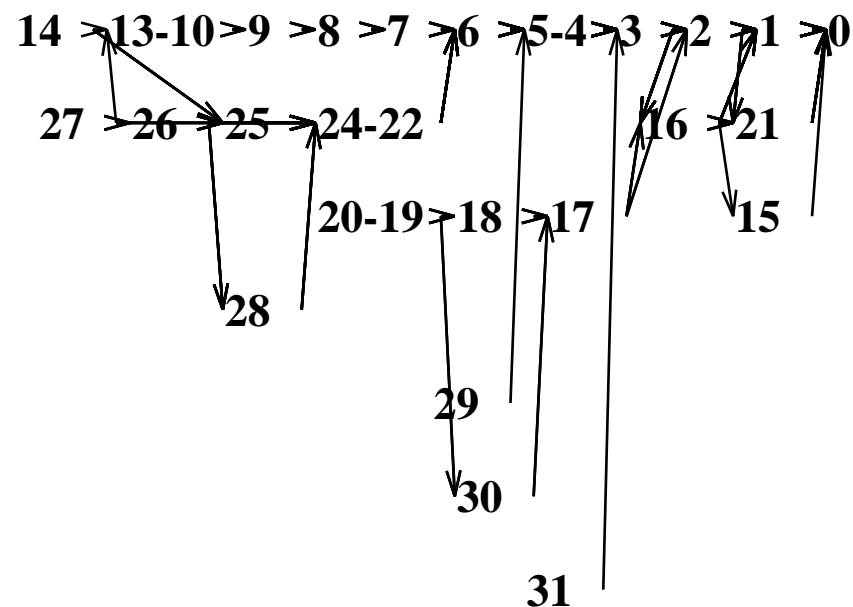


JNC_LED

Drawing summary

reactions

route #id



25,48,50,51,55

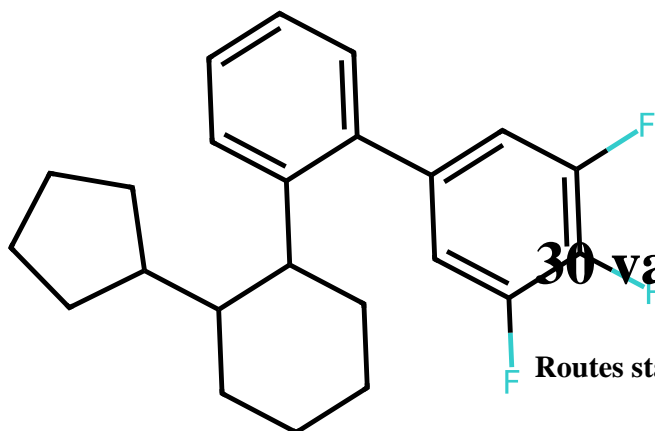
1,13,53,54,57,58,64,65
,73,75,76,86,94,98
15,38,89

52,56,63,74

37

3,26

14

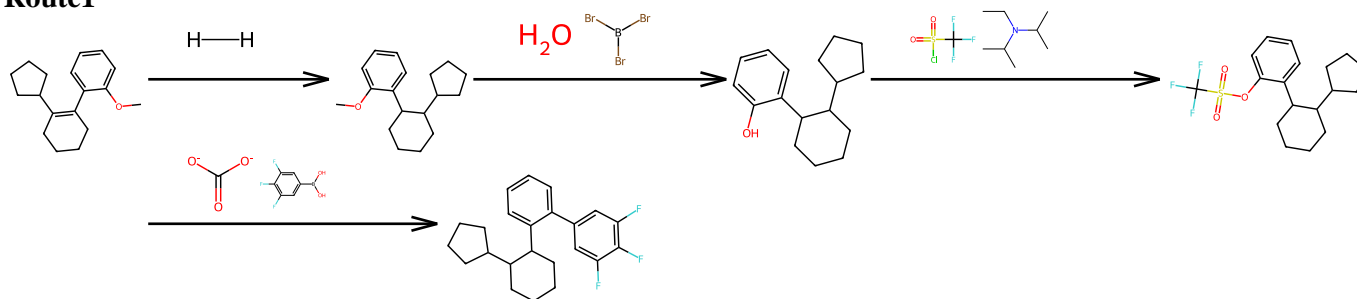


30 variations from 6 routes over 100 queries

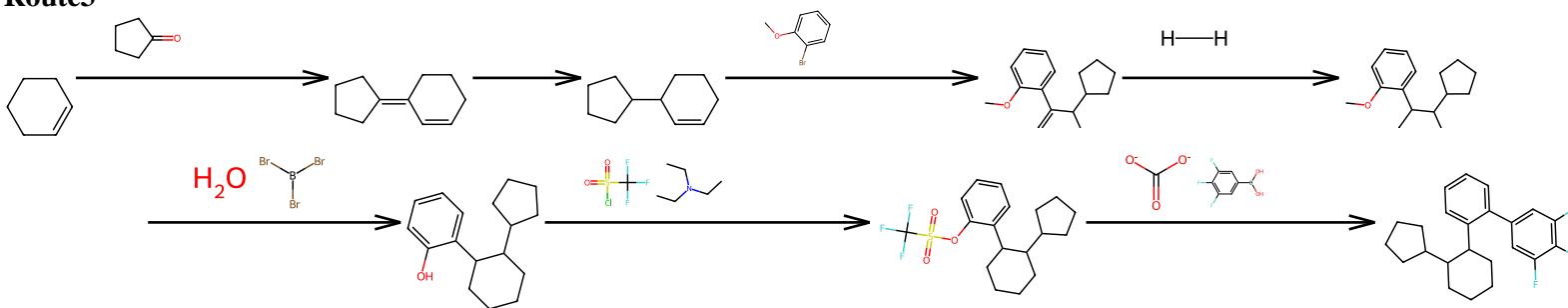
Routes start at similarity of 0.40(14),0.36(26),0.32(37),0.25(55),0.31(74),0.36(89),

Fc1cc(-c2ccccc2C2CCCCC2C2CCCC2)cc(F)c1F

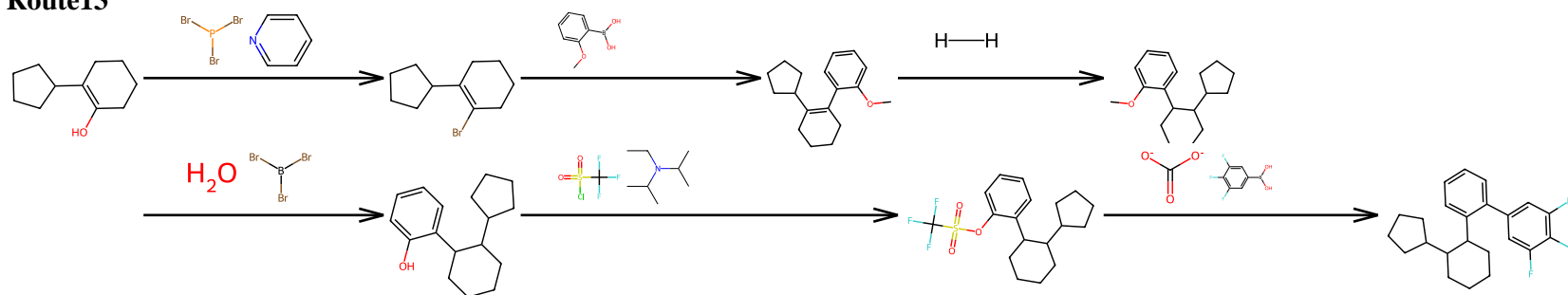
Route1



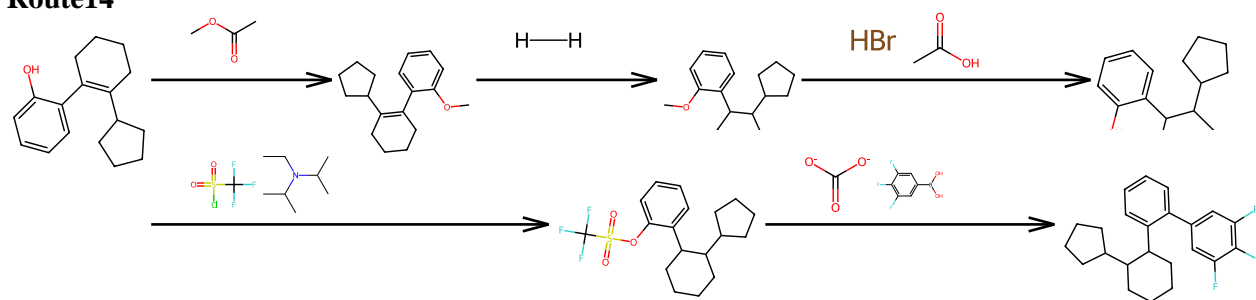
Route3



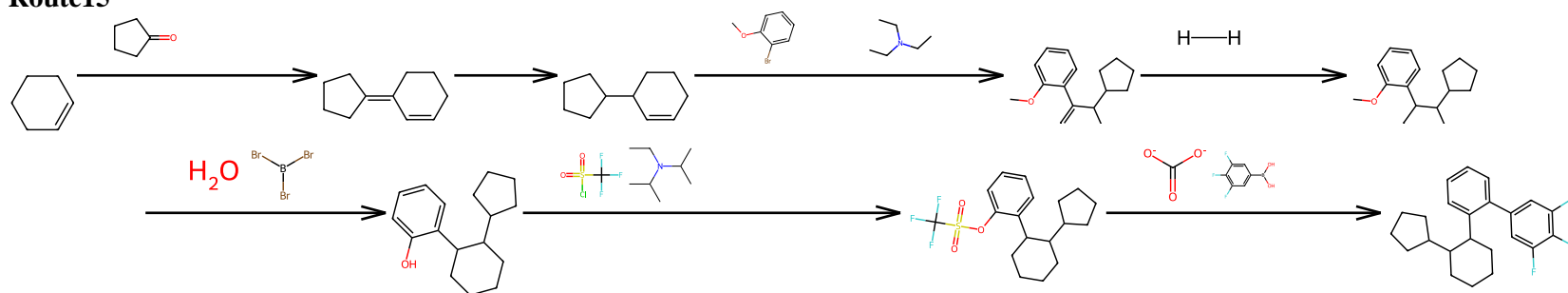
Route13



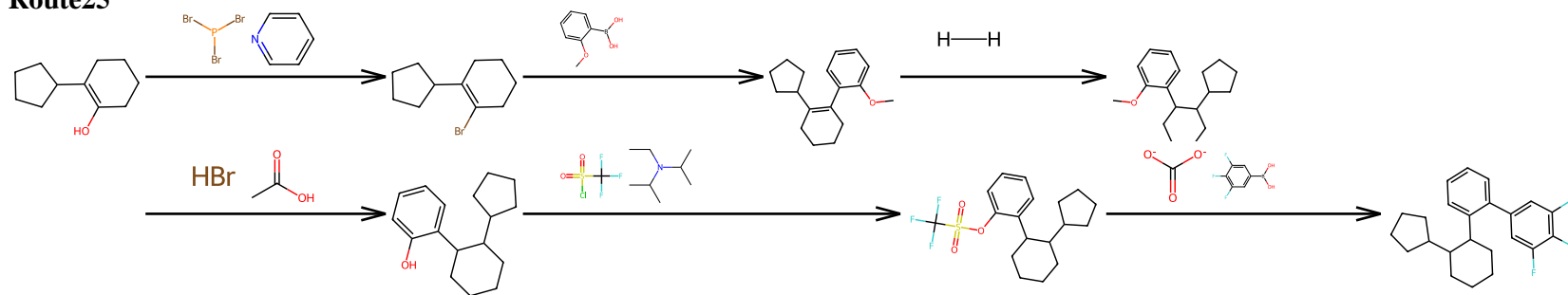
Route14



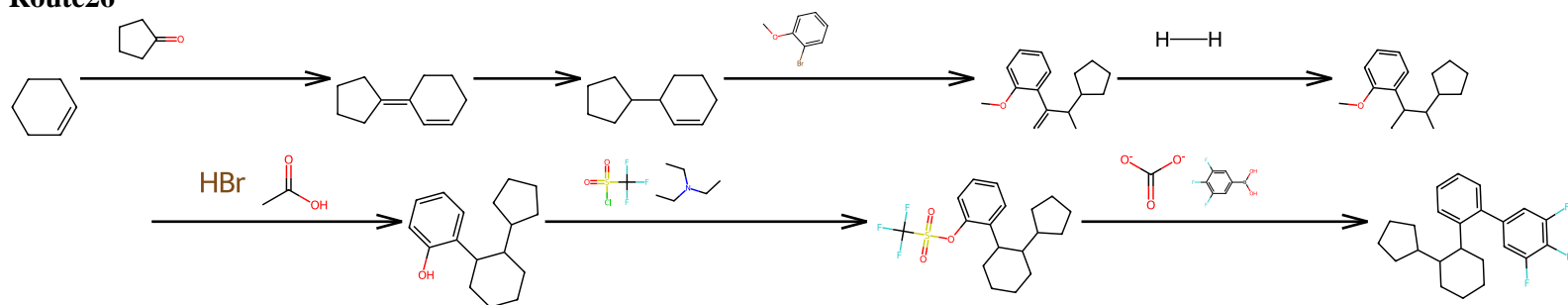
Route15



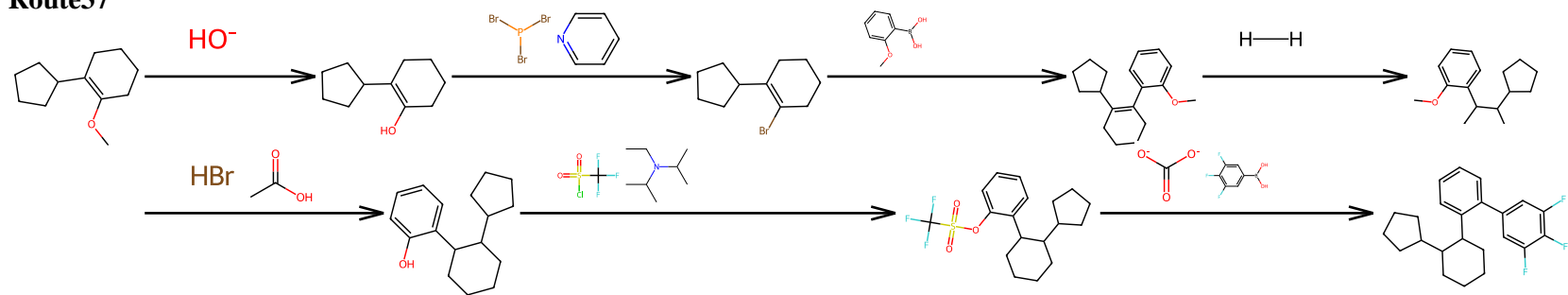
Route25



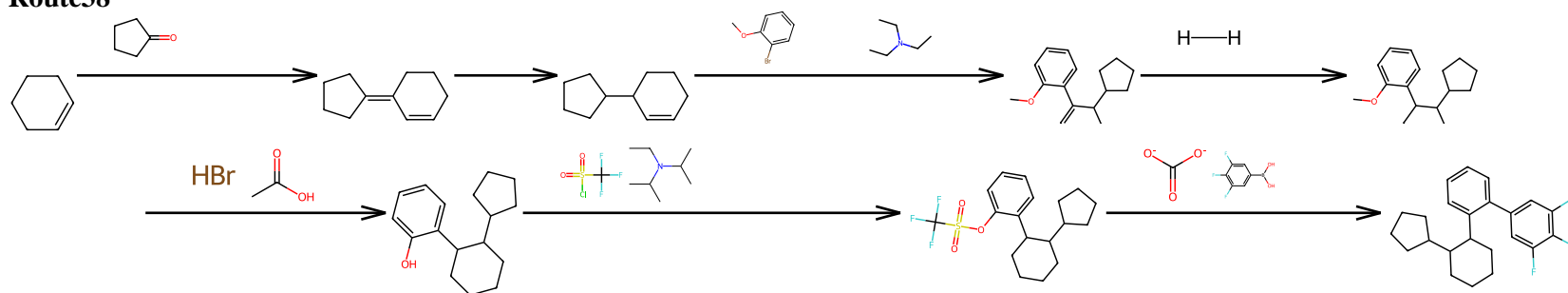
Route26



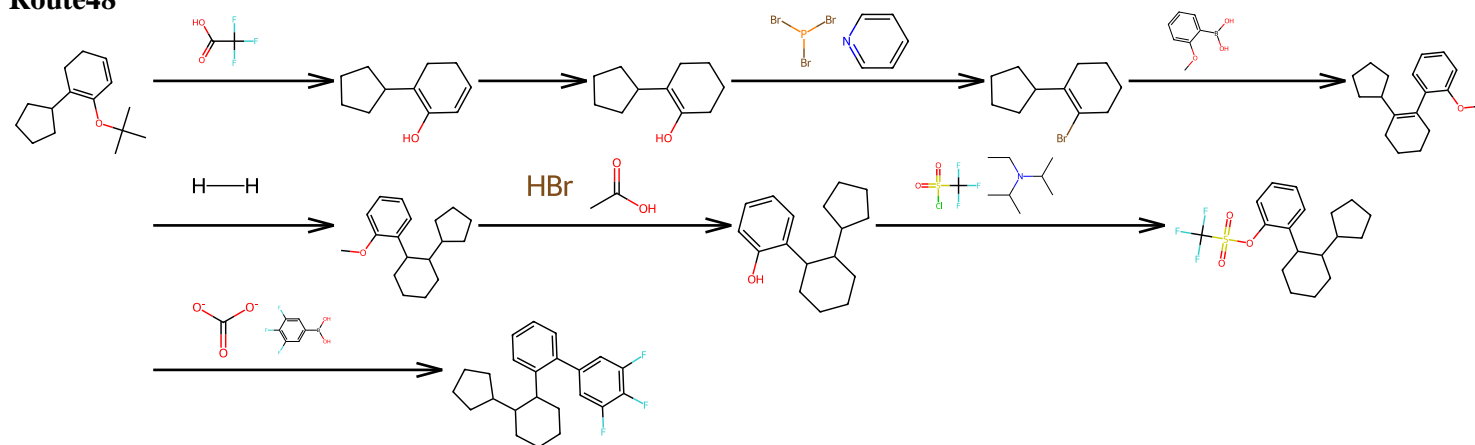
Route37



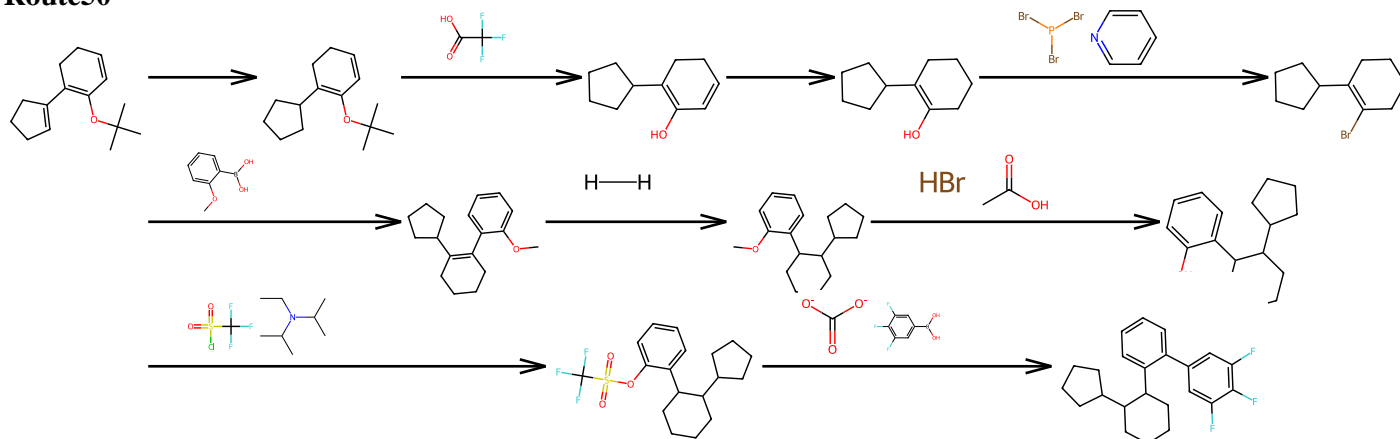
Route38



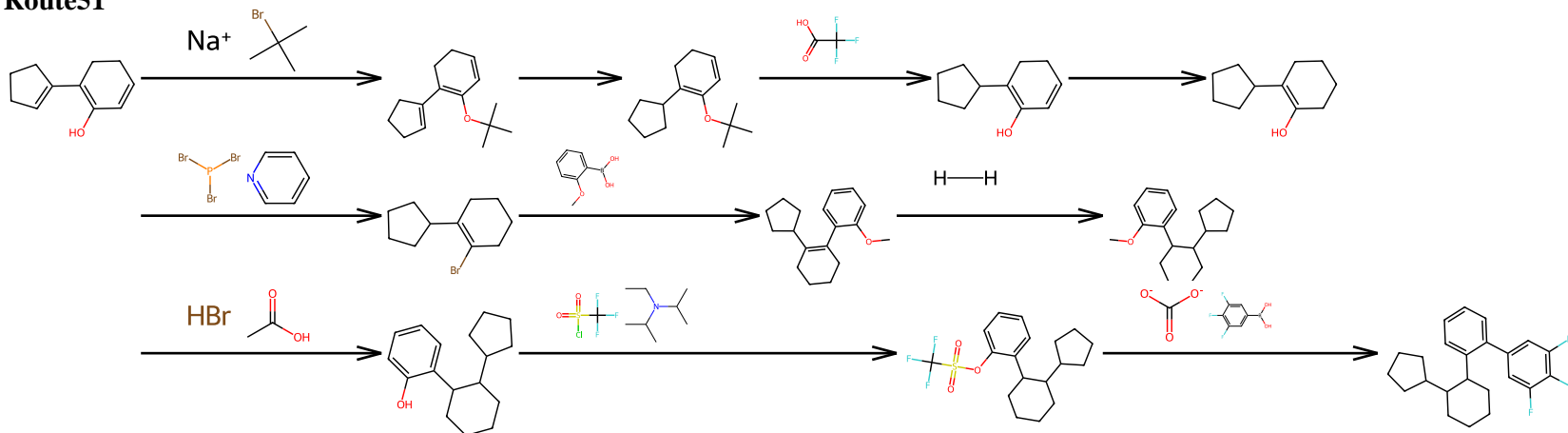
Route48



Route50

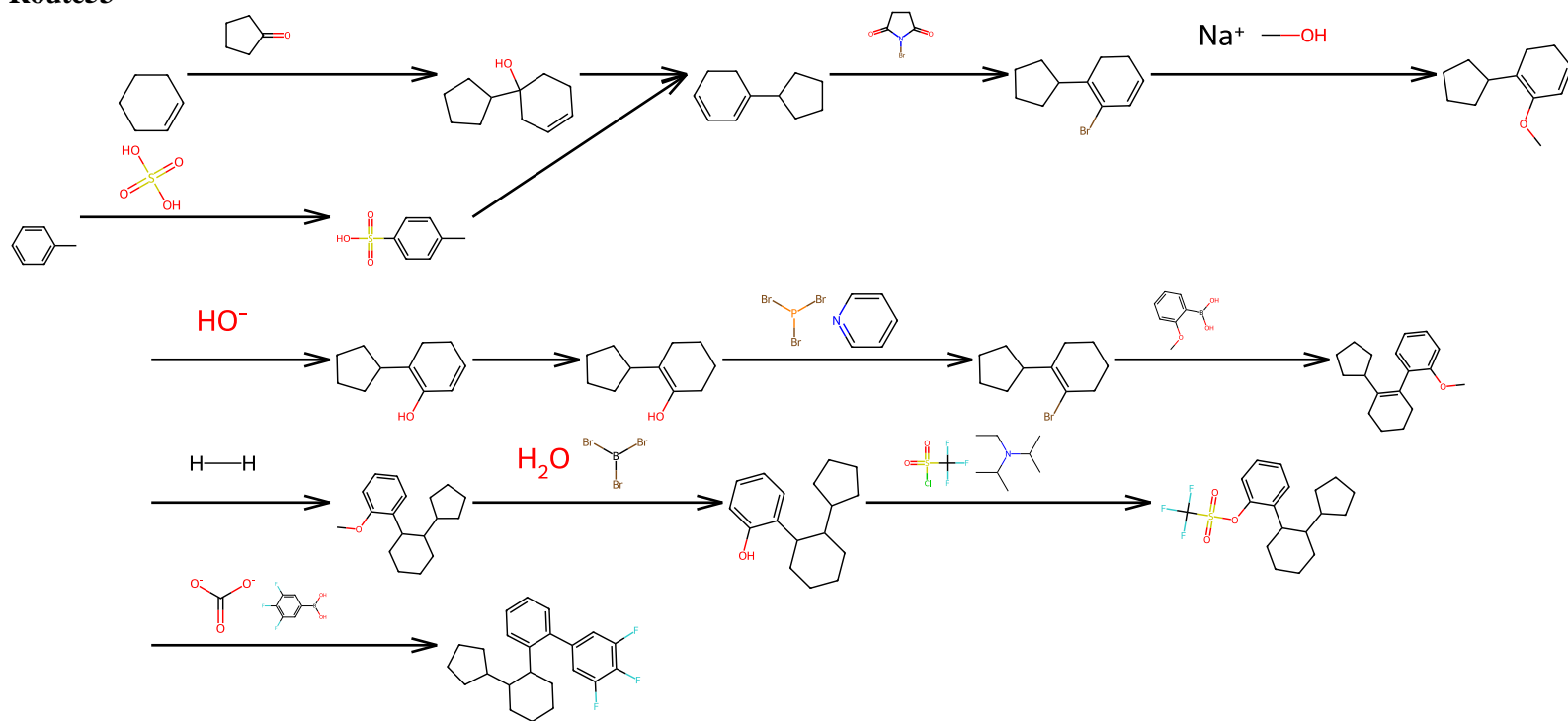


Route51

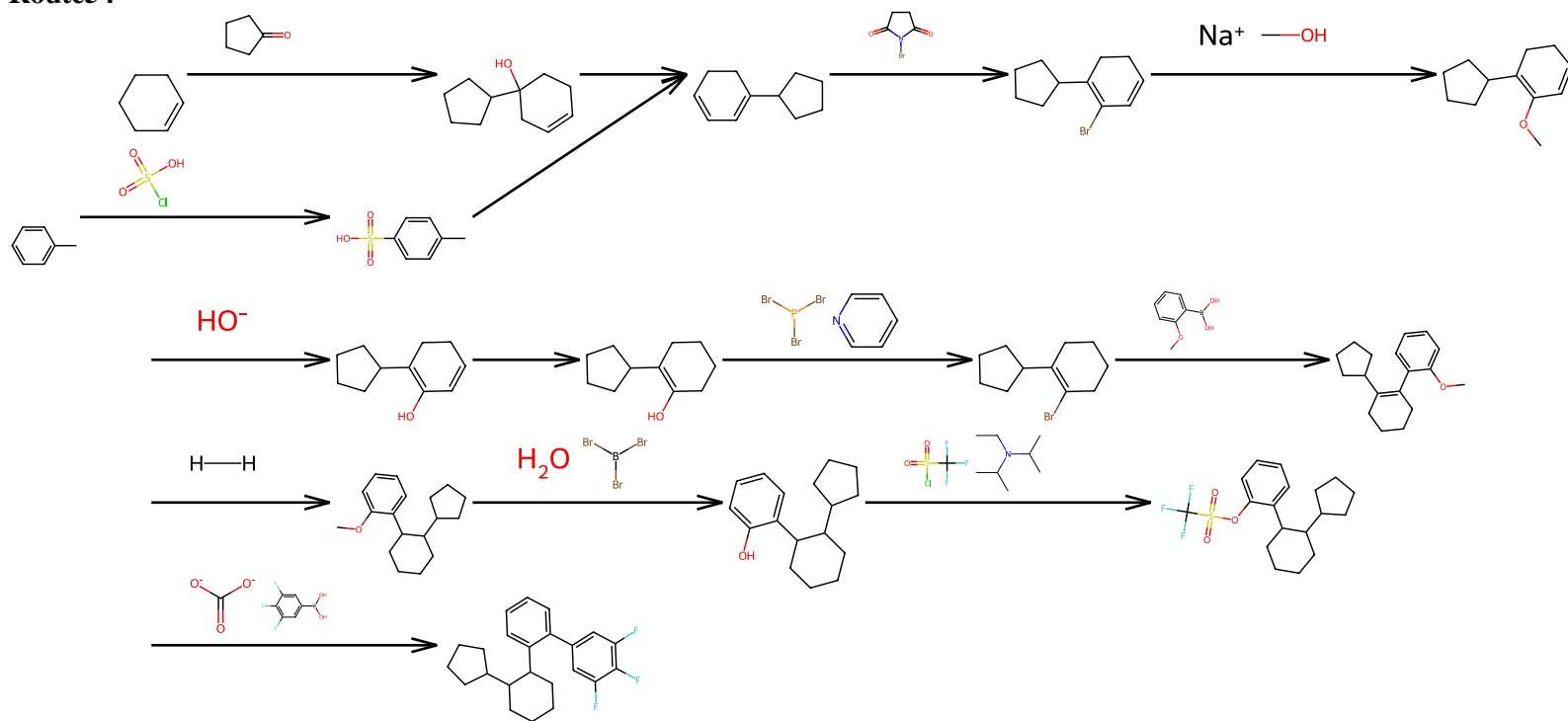


[illegible]

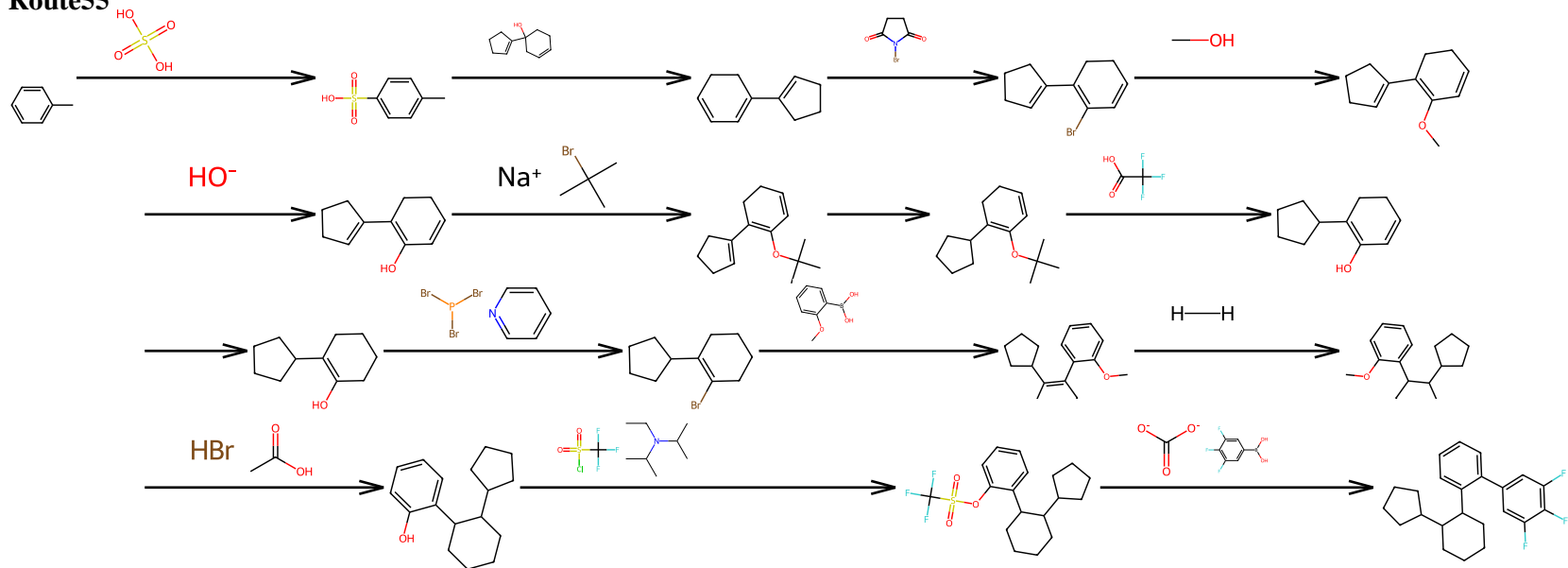
Route53



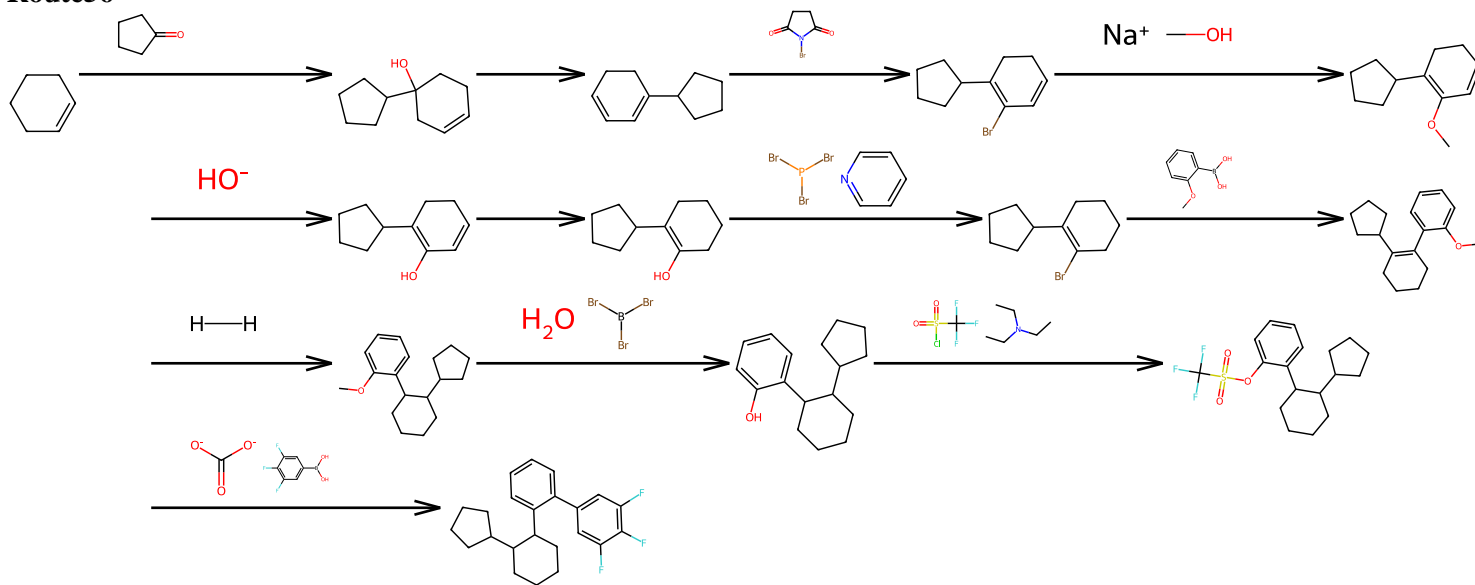
Route54



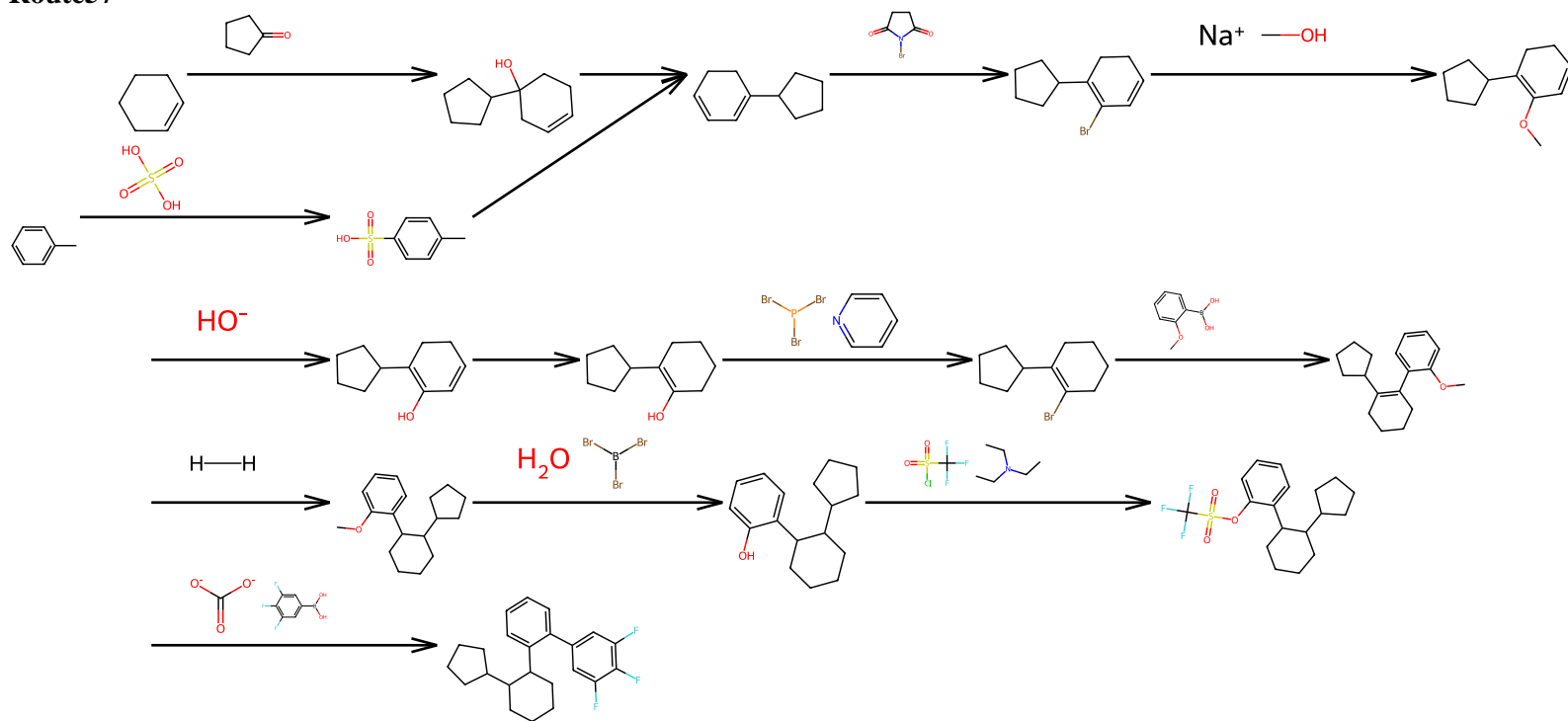
Route55



Route56

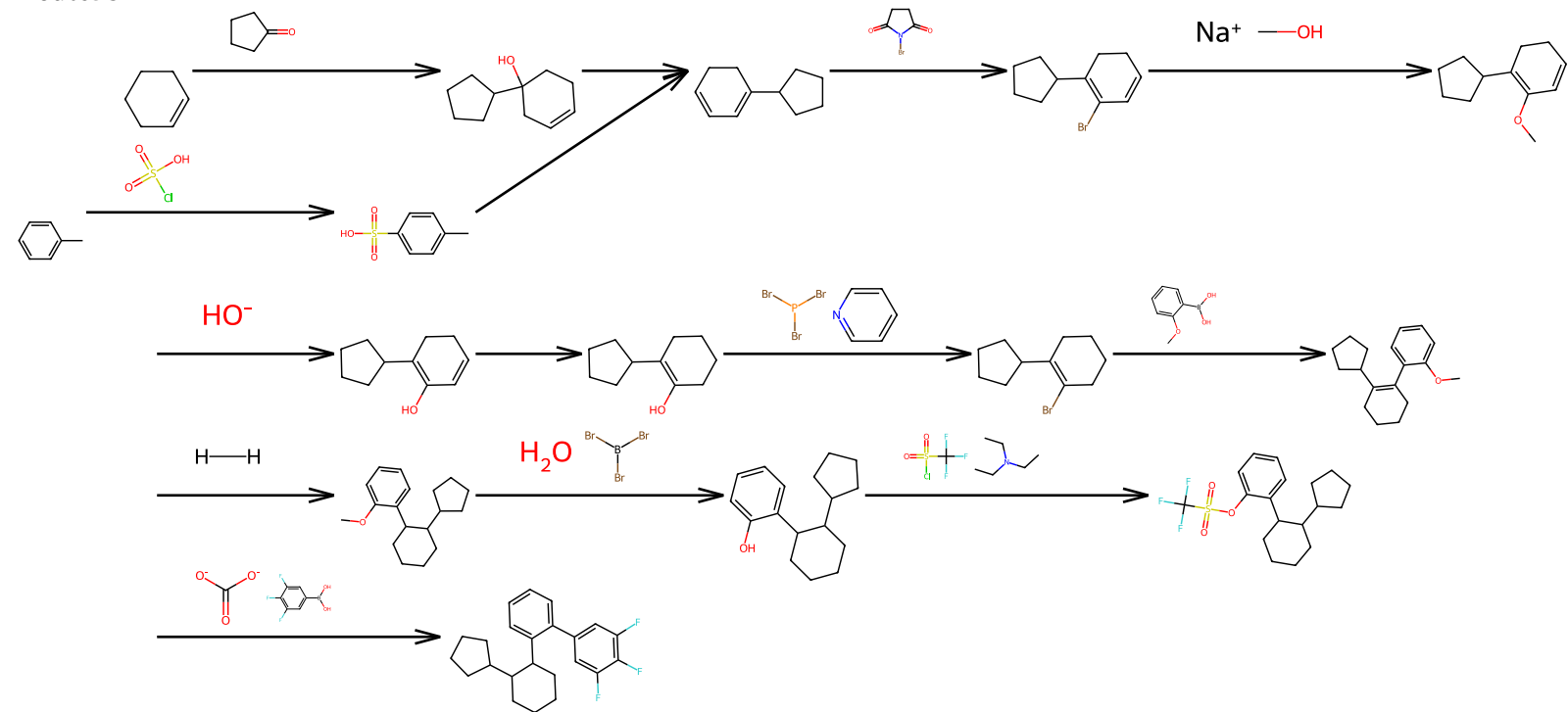


Route57

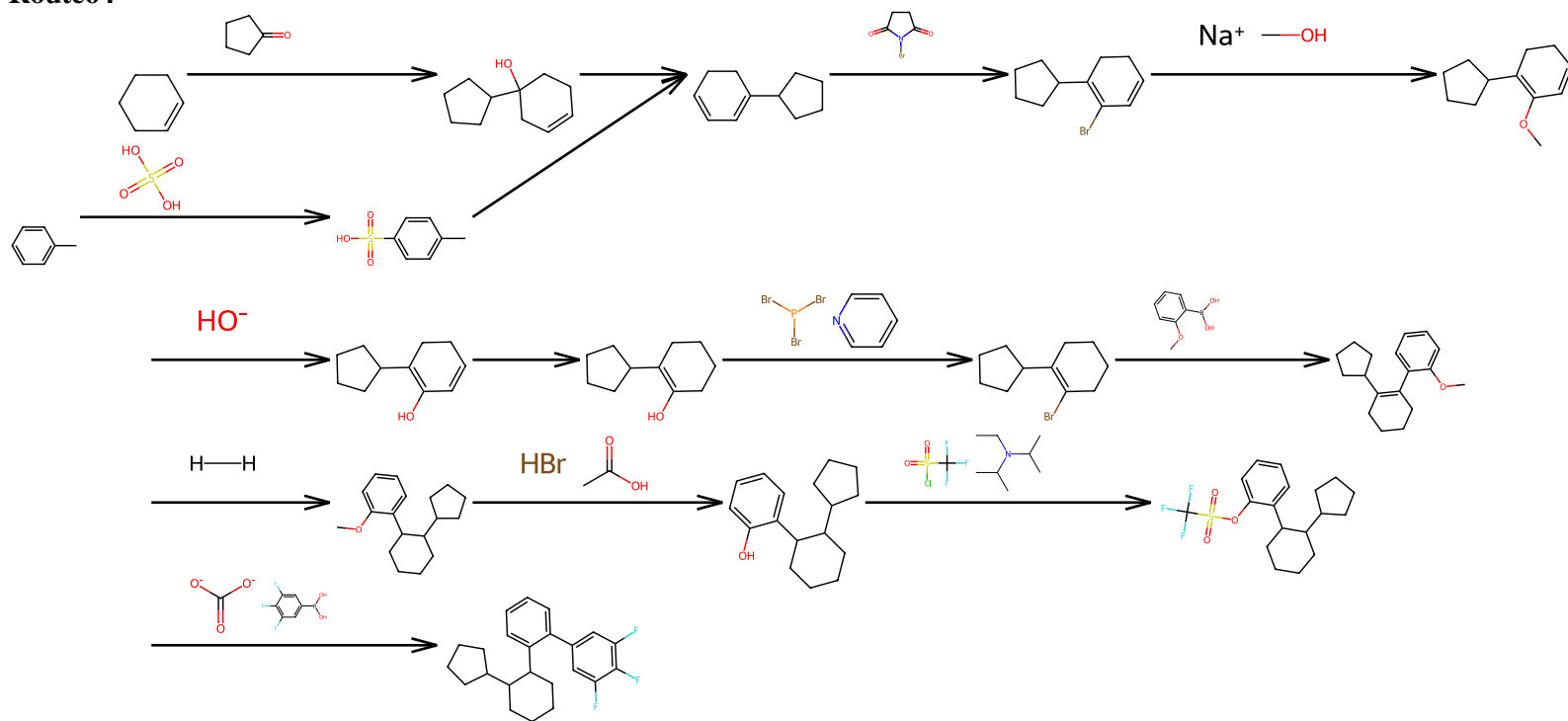


The diagram illustrates a complex chemical reaction network involving cyclohexene and cyclopentadiene derivatives. The reactions are as follows:

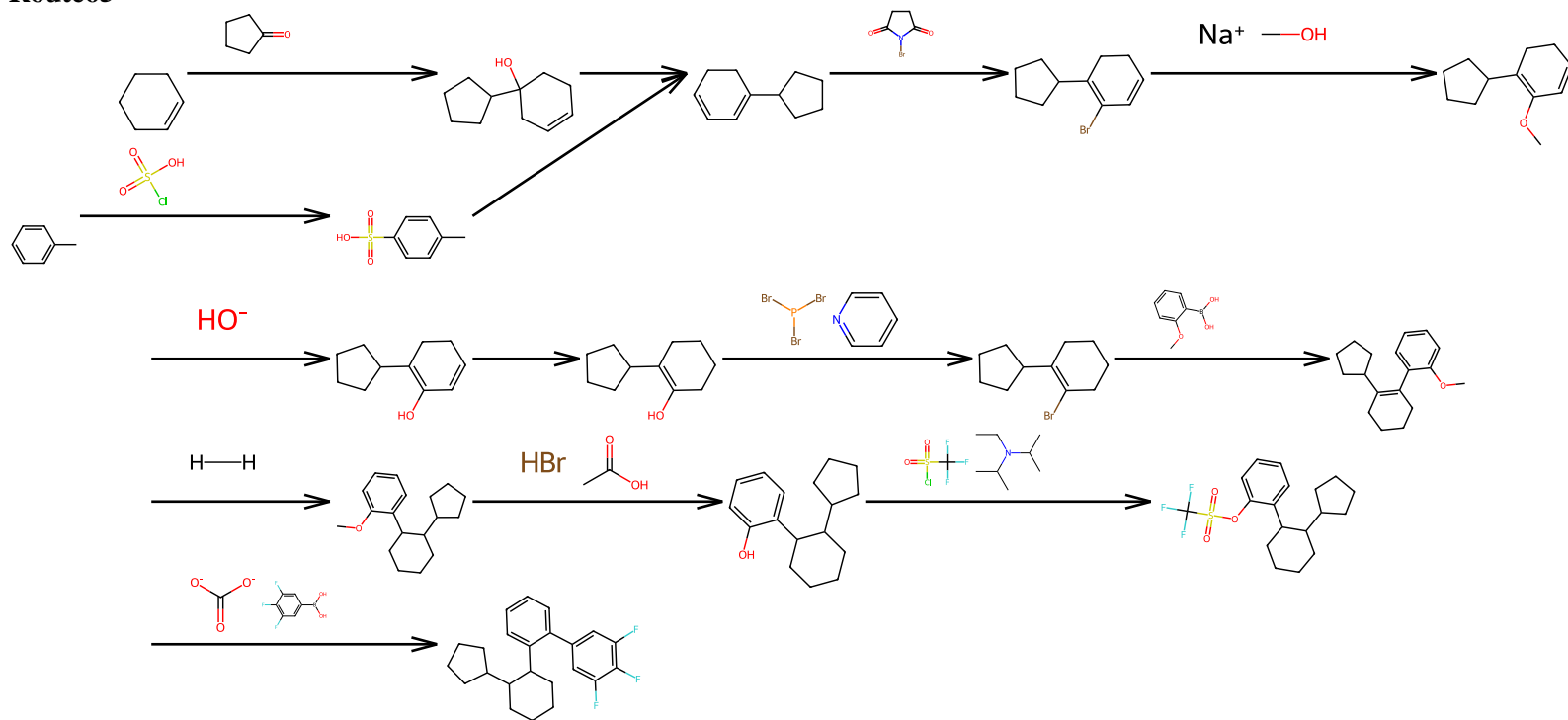
- Top Pathway:** Cyclohexene reacts with cyclopentanone to form a cyclohexane ring with a cyclopentyl group and a hydroxyl group. This intermediate then reacts with a brominated cyclopentadiene derivative to form a cyclohexane ring with a cyclopentyl group and a bromine atom. Finally, it reacts with Na^+ and OH^- to form a cyclohexane ring with a cyclopentyl group and a methoxy group.
- Middle Pathway:** Cyclohexene reacts with HO^- to form a cyclohexane ring with a cyclopentyl group and a hydroxyl group. This intermediate then reacts with a brominated cyclopentadiene derivative to form a cyclohexane ring with a cyclopentyl group and a bromine atom. Finally, it reacts with a cyclohexane ring with a methoxy group to form a cyclohexane ring with a cyclopentyl group and a methoxy group.
- Bottom Pathway:** Cyclohexene reacts with H-H to form a cyclohexane ring with a cyclopentyl group and a methoxy group. This intermediate then reacts with H_2O to form a cyclohexane ring with a cyclopentyl group and a hydroxyl group. Finally, it reacts with a sulfonate derivative to form a cyclohexane ring with a cyclopentyl group and a sulfonate group.
- Other Reactions:** Cyclohexene reacts with a sulfonate derivative to form a cyclohexane ring with a cyclopentyl group and a sulfonate group. Cyclohexene reacts with a sulfonate derivative to form a cyclohexane ring with a cyclopentyl group and a sulfonate group. Cyclohexene reacts with a sulfonate derivative to form a cyclohexane ring with a cyclopentyl group and a sulfonate group.



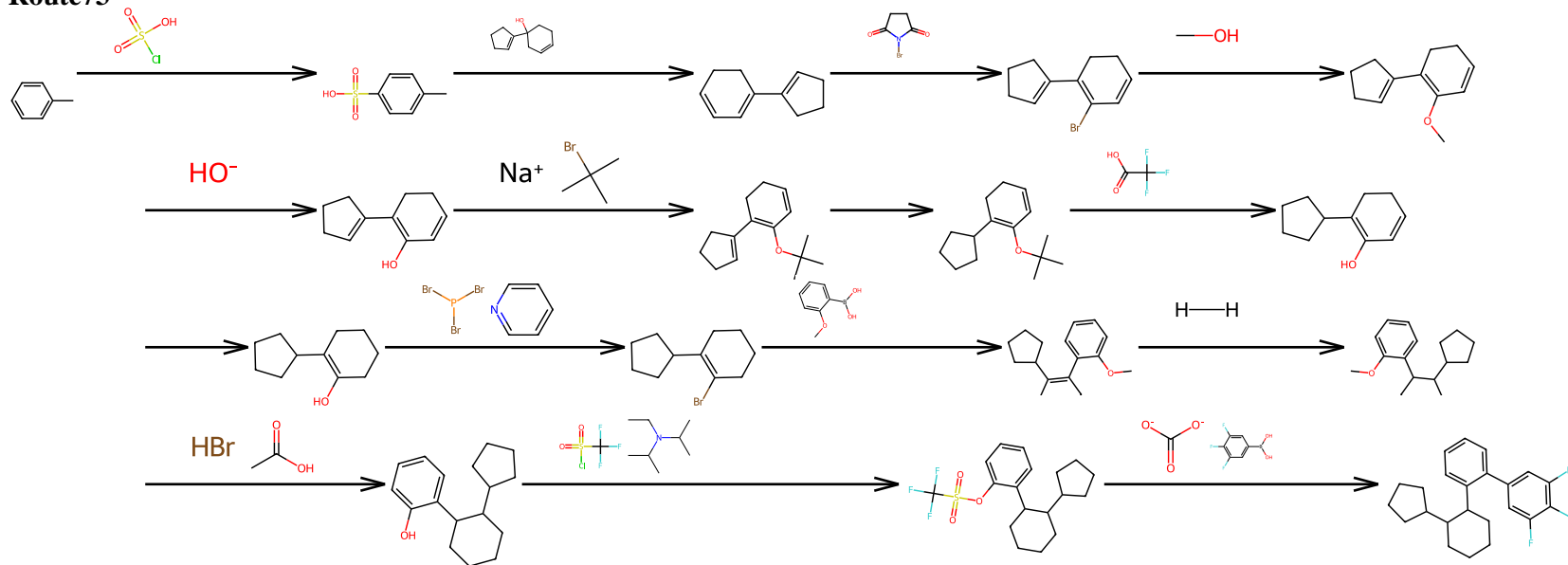
Route64



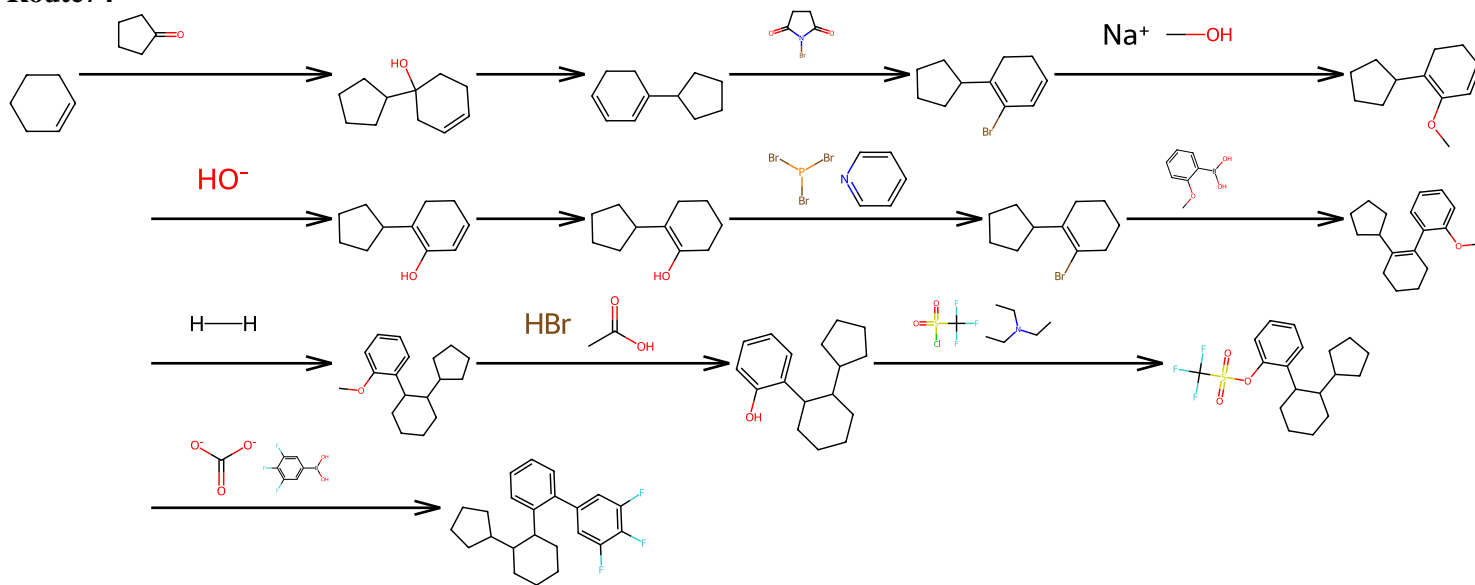
Route65



Route73

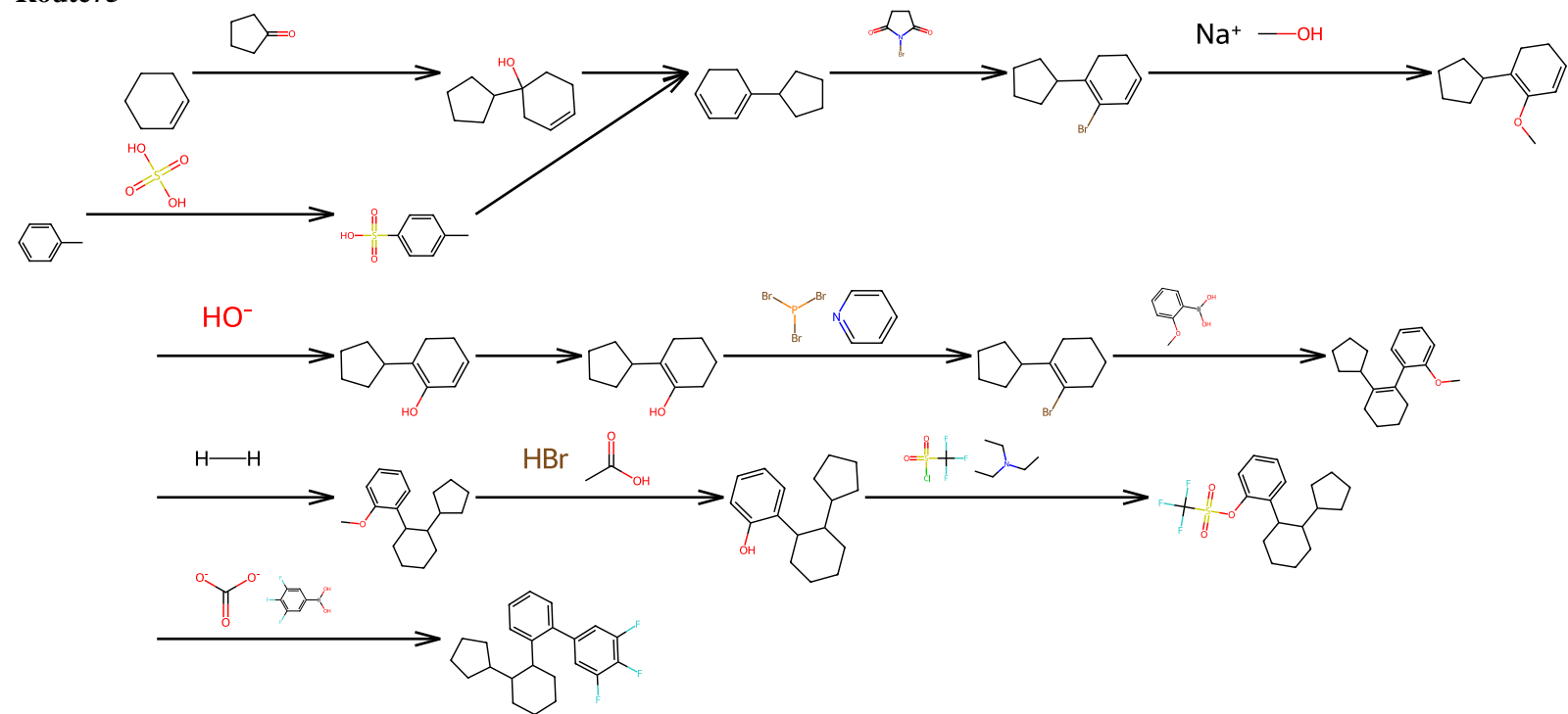


Route74

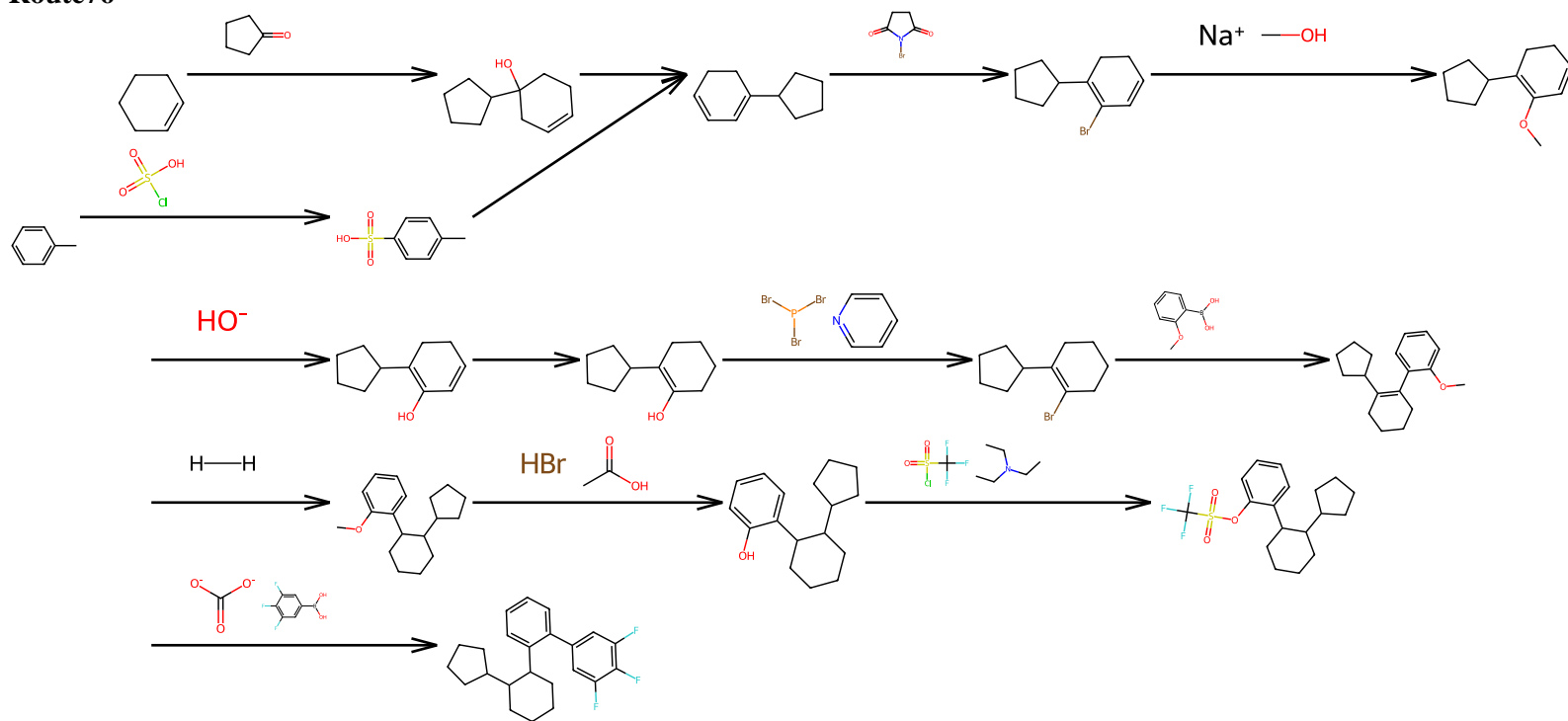


The diagram illustrates a complex network of organic chemical reactions. Key features include:

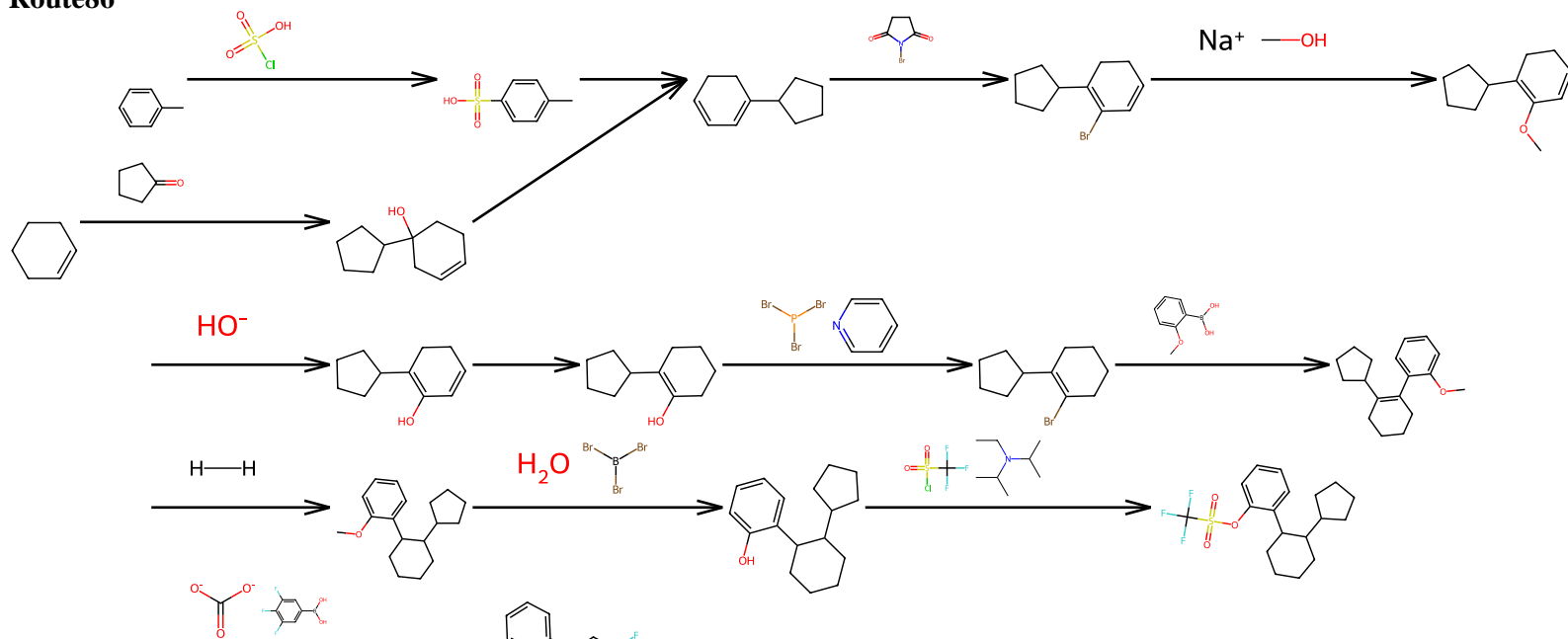
- Top Pathway:** Cyclohexene reacts with cyclopentanone to form a cyclohexyl-substituted cyclopentanol. This intermediate can be converted to a cyclohexyl-substituted cyclopentyl ether or a cyclohexyl-substituted cyclopentyl sulfonate.
- Second Pathway:** Cyclopentanone reacts with a substituted benzene (likely 4-methylphenol) in the presence of H_2SO_4 to form a cyclopentyl-substituted cyclopentyl sulfonate.
- Third Pathway:** A cyclohexyl-substituted cyclopentyl sulfonate reacts with Na^+ and OH^- to form a cyclohexyl-substituted cyclopentyl ether.
- Fourth Pathway:** A cyclohexyl-substituted cyclopentyl sulfonate reacts with HO^- to form a cyclohexyl-substituted cyclopentyl sulfonate.
- Fifth Pathway:** A cyclohexyl-substituted cyclopentyl sulfonate reacts with HBr to form a cyclohexyl-substituted cyclopentyl sulfonate.
- Sixth Pathway:** A cyclohexyl-substituted cyclopentyl sulfonate reacts with H_2 to form a cyclohexyl-substituted cyclopentyl sulfonate.
- Seventh Pathway:** A cyclohexyl-substituted cyclopentyl sulfonate reacts with a substituted benzene (likely 4-methylphenol) to form a cyclohexyl-substituted cyclopentyl sulfonate.
- Eighth Pathway:** A cyclohexyl-substituted cyclopentyl sulfonate reacts with a substituted benzene (likely 4-methylphenol) to form a cyclohexyl-substituted cyclopentyl sulfonate.



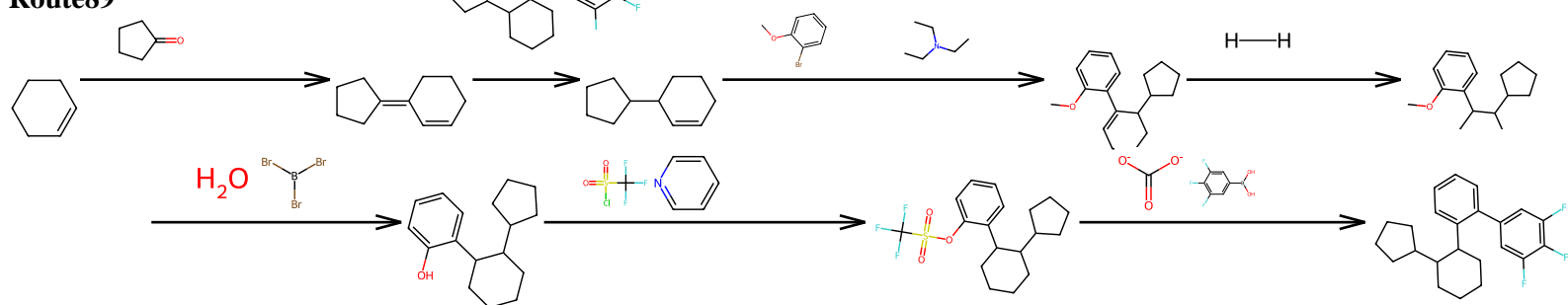
Route76



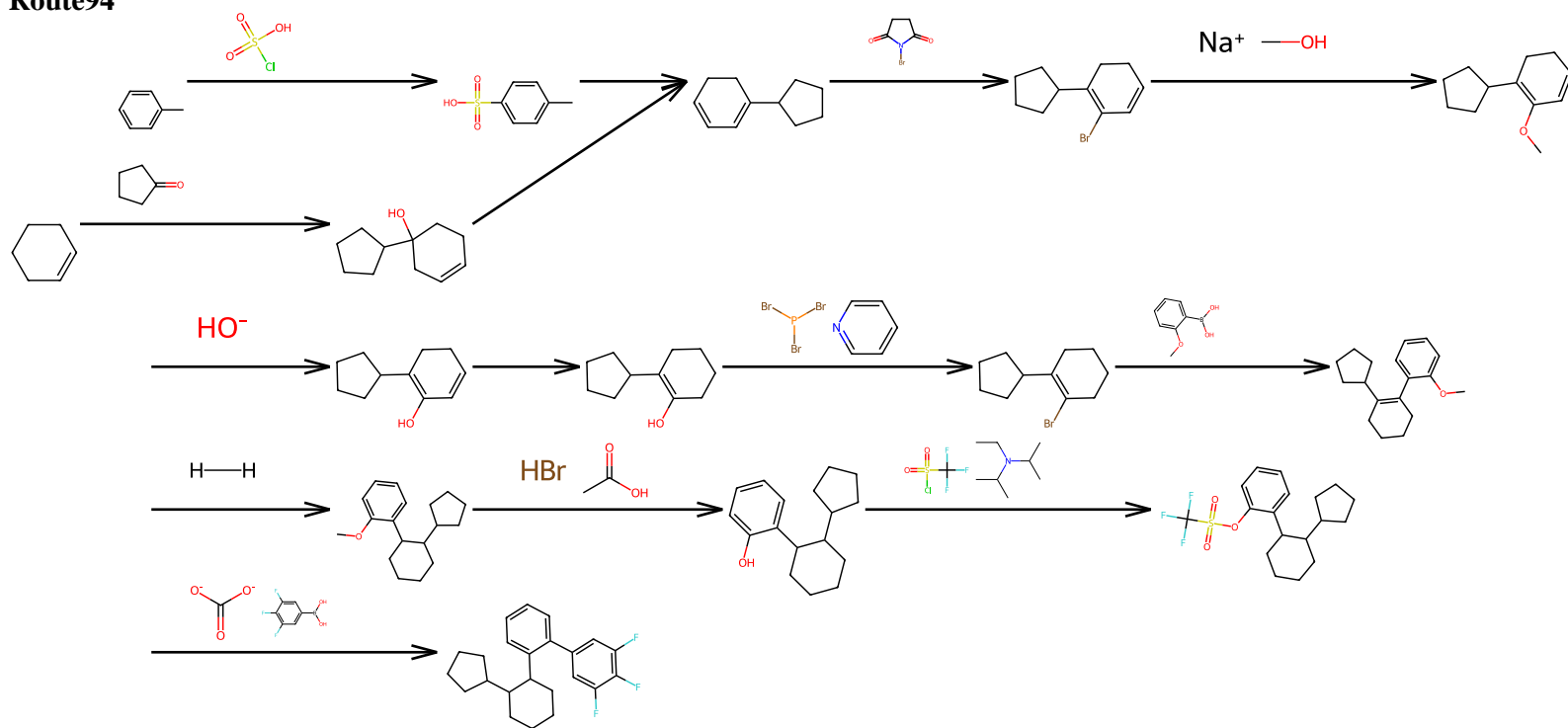
Route86



Route89



Route94



Route98

