

## ROCS Synthesis Seminars – 24.10.2018

### Total Syntheses of (+)-Orientalol F, (+)-Orientalol E and (-)-Oxyphyllol (Wang, 2018)

Here below is reported a synthesis scheme of the natural products (+)-orientalol E and F as well as (-)-oxyphyllol.

1. How would you prepare **1** starting from (+)-limonene?
2. Please give the structures of compounds **3**, **5** and **8**.
3. For each transformation, explain the mechanism of the transformation and if possible, explain the stereochemistry of the formed molecule.

