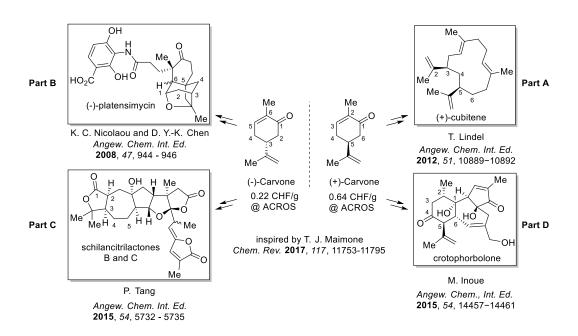
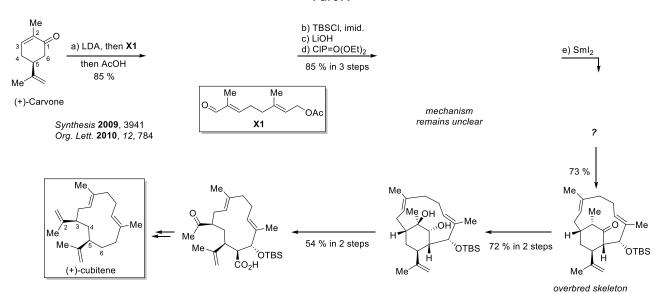
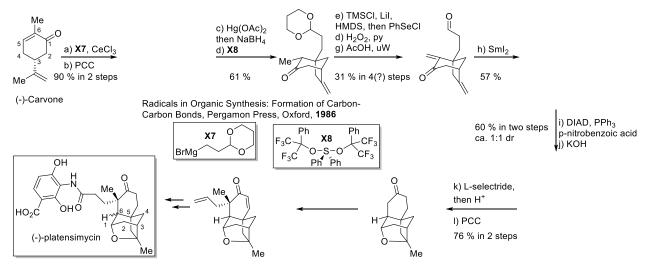
# Total synthesis starting from carvone



### Part A



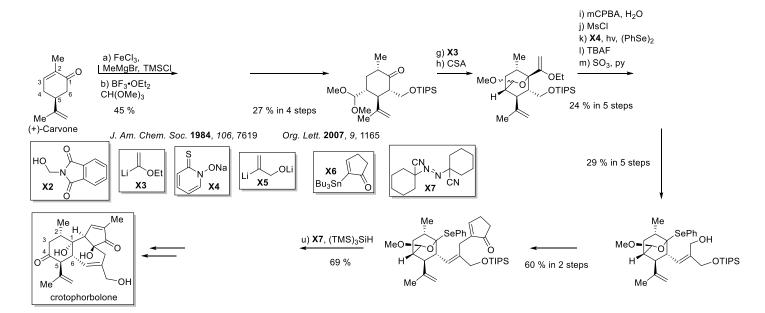
## Part B



ca. 39 % in 4 steps

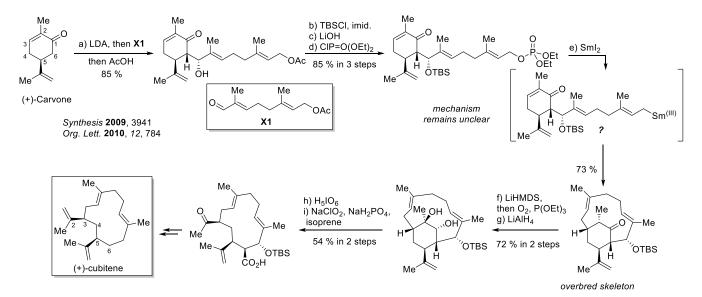
### Part C

## Part D

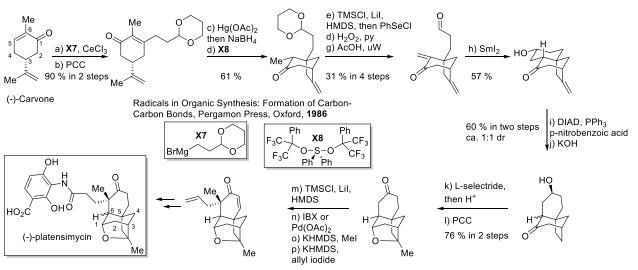


# **Solutions**

### Part A



## Part B



ca. 39 % in 3 steps

# Part C

### Part D

