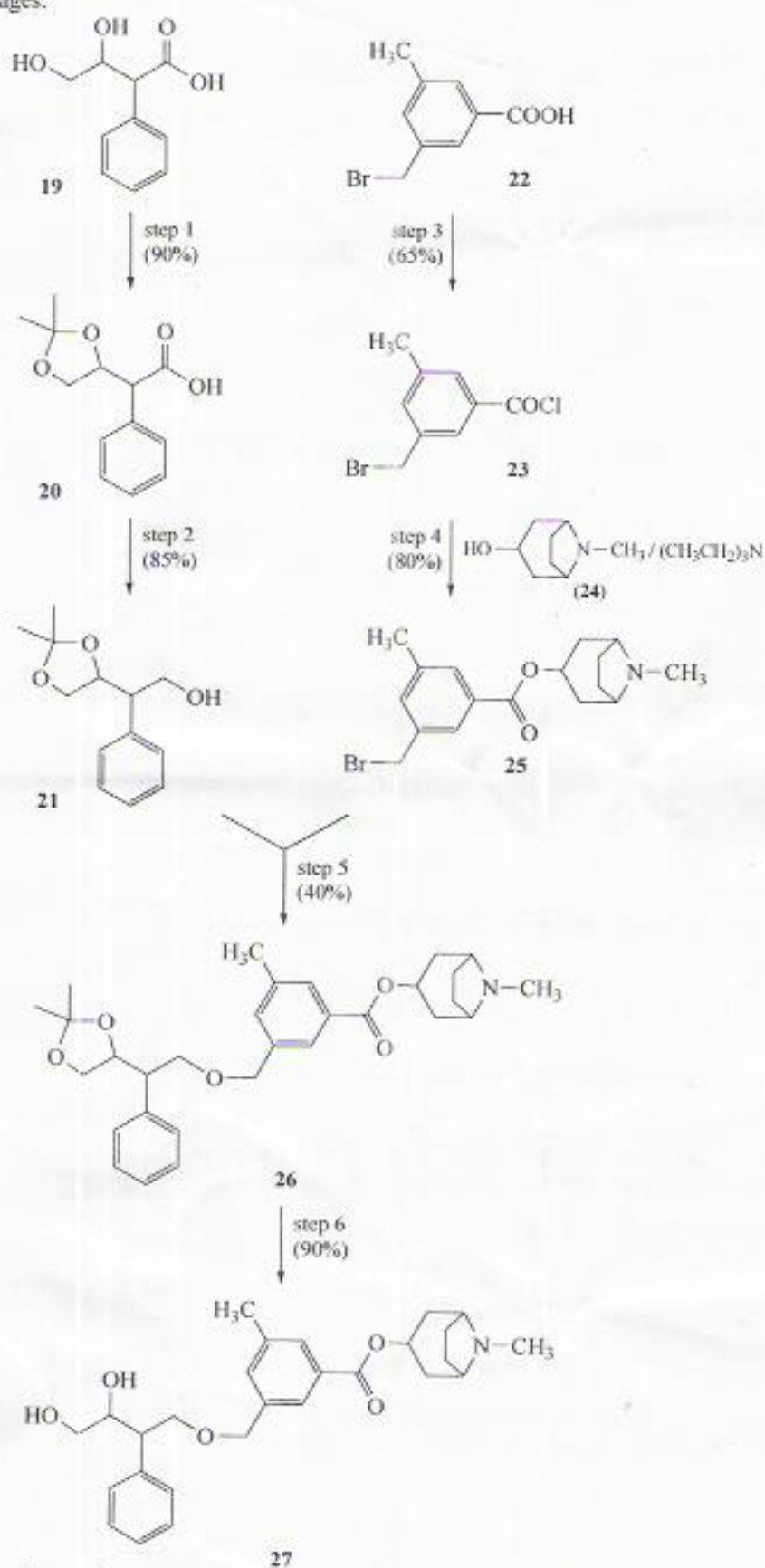


Question 5

This question carries 25 per cent of the marks for this assignment, and tests Learning Outcomes 2, 3, 4, 5, 7, 8 and 9 of Book 10 Part 4.

Scheme 1 shows a proposed synthetic scheme. The yields for each step are given as percentages.



SCHEME 1

(a) (5 marks) Is this a linear or a convergent synthesis? Calculate the overall yield.