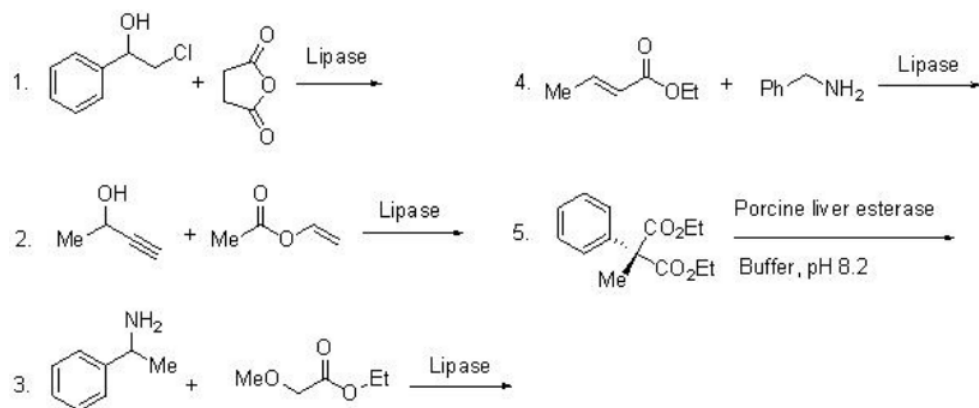


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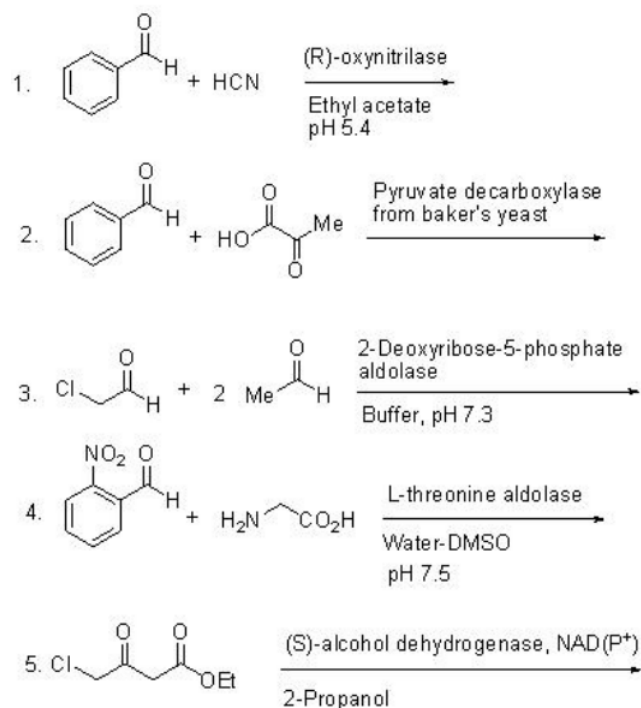
Problems:

Complete the following reactions.

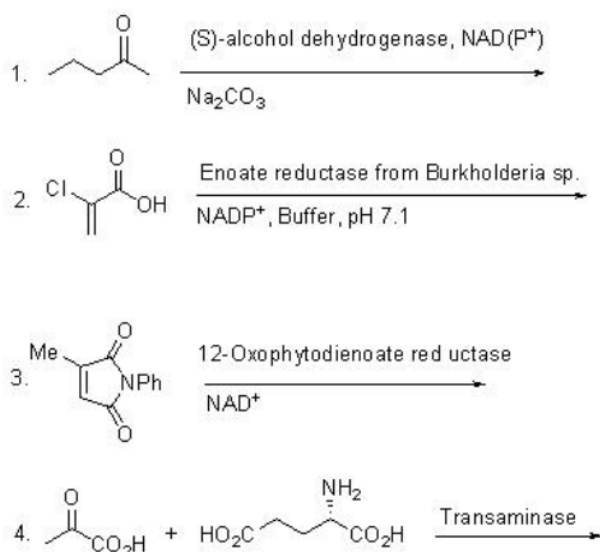


Describe enzyme-catalyzed amide hydrolysis

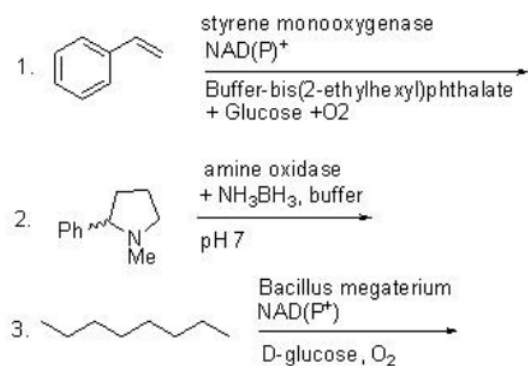
Complete the following reactions.



Complete the following reactions.



Complete the following reactions.



Describe enzyme catalyzed hydroxylation of alkanes and oxidation of amines.

Reference/Text Book

- I. Ojima, *Catalytic Asymmetric Synthesis*, 3rd ed., Wiley, New Jersey, 2010.
- M. B. Smith, *Organic Synthesis*, 2nd edition, McGraw Hill, New Delhi, 2004.

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