Unit 5 - Week 4

How to access the portal?

Lecture 16 : Copper-Oxygen

 Lecture 17 : Iron Catalyzed oxidation of unactivated sp3

Lecture 18 : Iron catalyzed

 Lecture 19 : Iron catalyzed oxidation of unactivated sp3

Lecture 20 : Nitrous oxide

reductase and its model

O Quiz: Week 4 Assignment 4

Week 4 Assignment 4 solution

oxidation of unactivated sp3

C-H bonds-Part I

C-H bonds-Part II

C-H bonds-Part III

complex

Week 5

Week 6

Week 7

Week 8

Weekly Feedback

Text Transcription

Download Videos

False

Score: 0

True

No, the answer is incorrect.

Accepted Answers:

Weekly Feedback

chemistry- Part III - Reactivity

Course outline

Week 1

Week 2

Week 3

Week 4

summary

NPTEL » Metals In Biology

Week 4 Assignment 4 Due on 2019-08-28, 23:59 IST. The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. Week 4 Assignment 4 1) In Iron mediated hydroxylation of organic substrate Fe(V)Oxo intermediate abstract hydrogen atom from the organic substrate. True or False. True False No, the answer is incorrect. Score: 0 Accepted Answers: True 2) In the organic substrate shown in question 3 (please refer to question 3 below) which type of C-H bond hydroxylated selectively by Fe catalyst? Primart Secondary Tertiary Quarternary No, the answer is incorrect. Score: 0 Accepted Answers: Tertiary Predict the product for following reaction. (SbF₆)₂ 5 mol% Fe[cat. 1.2 Equiv of H2O2, 0.5 Equiv AcOH CH3CN, rt, 30 min total (3 sequential addition of 10 min) \bigcirc A \bigcirc B \bigcirc C $\bigcirc D$ No, the answer is incorrect. Score: 0 Accepted Answers: 4) What would be the reactivity preference in sp^3 aliphatic substrate containing primary, secondary and tertiary C-H bonds? $0.1^{\circ} > 2^{\circ} > 3^{\circ}$

