

Unit 5 - Week 3 : REDUCING AGENT IN ORGANIC TRANSFORMATION PART-I

Course outline

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Week 0: Prerequisites

WEEK 1: OXIDIZING AGENT IN ORGANIC TRANSFORMATION PART-I

Week 2 : OXIDIZING AGENT IN ORGANIC TRANSFORMATION PART-II

Week 3 : REDUCING AGENT IN ORGANIC TRANSFORMATION PART-I

Lec 1: Na AND LI METAL BASED REDUCTION

Lec 2: HYDRIDE BASED REDUCTION

Lec 3: HYDROGENATION

Quiz : Assessment-3

Feedback form

Week 4 : REDUCING AGENT IN ORGANIC TRANSFORMATION PART-II

Week 5: ORGANIC TRANSFORMATIONS-USING NON-TRANSITION METALS PART-I

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Week 6: ORGANIC TRANSFORMATIONS-USING NON-TRANSITION METALS PART-II

Week 7: Organic Transformations-Using Non-Transition Metals Part-III

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Week 10 : ORGANIC TRANSFORMATIONS-USING TRANSITION METALS PART-III

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WEEK 12 : ORGANIC TRANSFORMATIONS-USING LANTHANIDES REAGENTS

Live Session-3

Assessment-3

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

Due on 2019-08-21, 23:59 IST.

1) Q1. Predict the product in the following reaction:



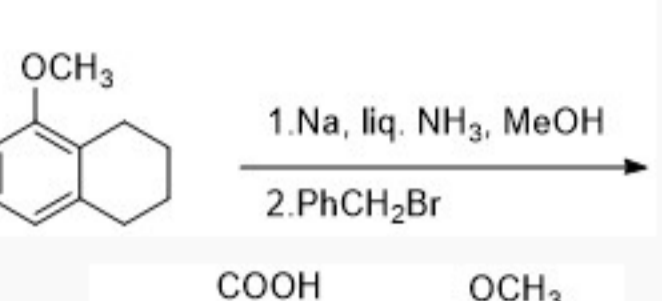
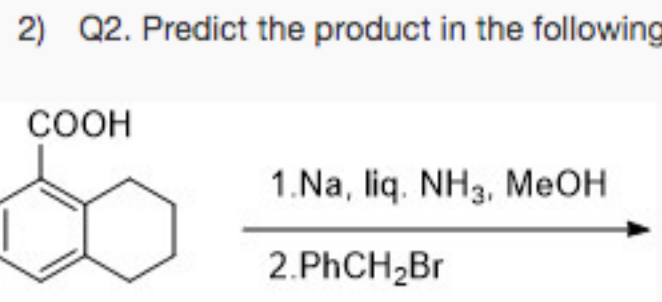
- a. C1CN2CCCC2C1
- b. c1ccc2c(c1)cnc2
- c. c1ccc2c(c1)cnc2
- d. c1ccc2c(c1)cnc2

No, the answer is incorrect. Score: 0

Accepted Answers:



2) Q2. Predict the product in the following reactions, respectively:



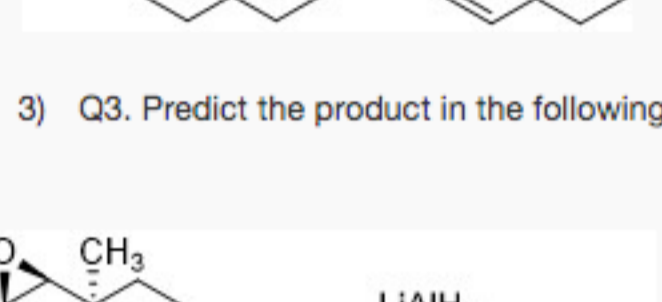
- a. c1ccc2c(c1)C(=O)O c1ccc2c(c1)C(=O)OC
- b. c1ccc2c(c1)C(=O)O c1ccc2c(c1)C(=O)OC
- c. c1ccc2c(c1)C(=O)O c1ccc2c(c1)C(=O)OC
- d. c1ccc2c(c1)C(=O)O c1ccc2c(c1)C(=O)OC

No, the answer is incorrect. Score: 0

Accepted Answers:



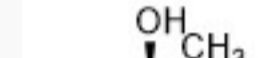
3) Q3. Predict the product in the following reaction:



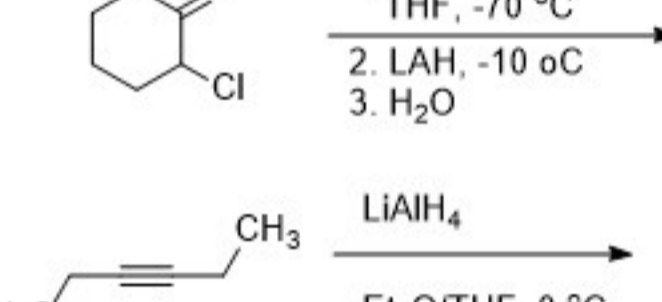
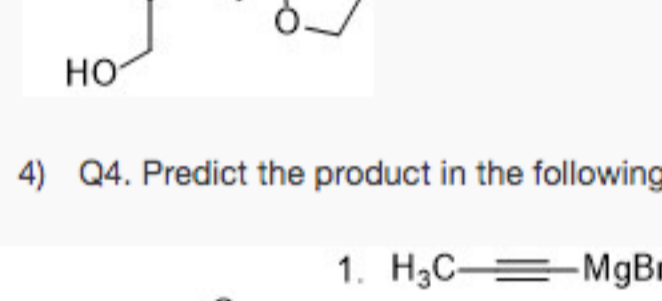
- a. COC(=O)C1=CC=C(C=C1)O
- b. COC(=O)C1=CC=C(C=C1)O
- c. COC(=O)C1=CC=C(C=C1)O
- d. COC(=O)C1=CC=C(C=C1)O

No, the answer is incorrect. Score: 0

Accepted Answers:



4) Q4. Predict the product in the following reactions, respectively:



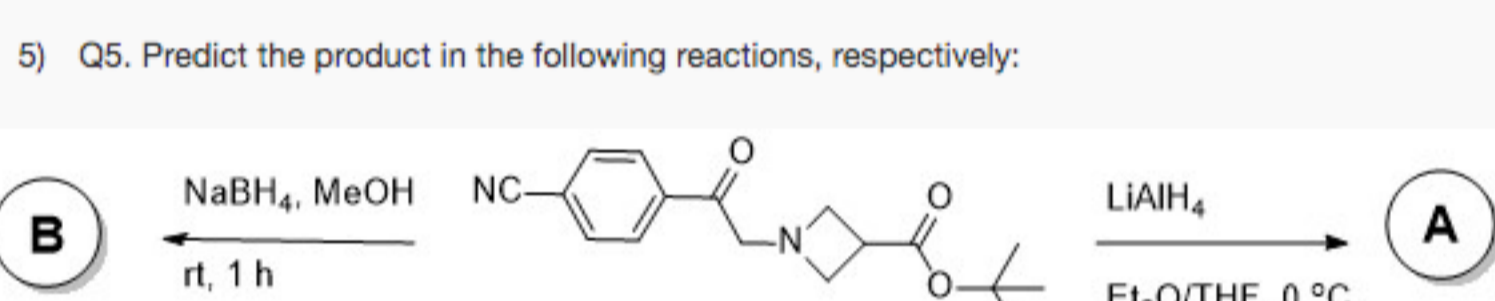
- a. ClC1CCCCC1=O No reaction
- b. ClC1CCCCC1=O No reaction
- c. ClC1CCCCC1=O CH_3C\equiv CCH_3
- d. No reaction No reaction

No, the answer is incorrect. Score: 0

Accepted Answers:



5) Q5. Predict the product in the following reactions, respectively:



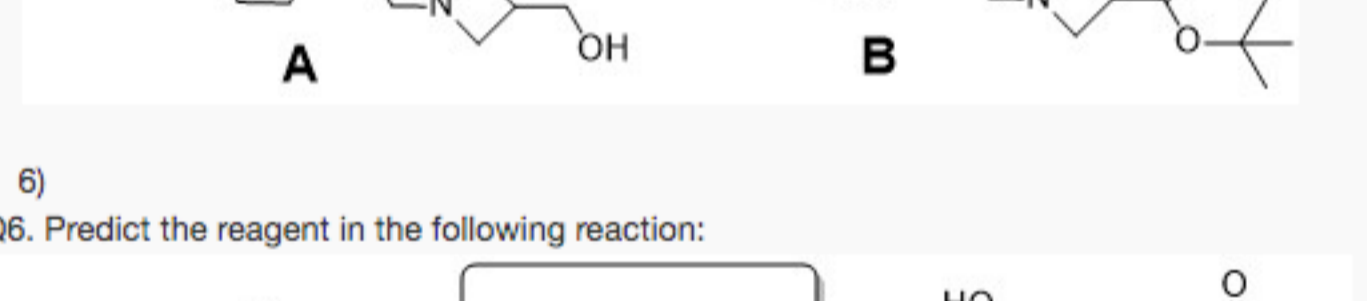
- a. NC1=CC=C(C=C1)C(=O)N2CCN2C(=O)OC(C)(C)C NC1=CC=C(C=C1)C(=O)N2CCN2C(=O)OC(C)(C)C
- b. NC1=CC=C(C=C1)C(=O)N2CCN2C(=O)OC(C)(C)C NC1=CC=C(C=C1)C(=O)N2CCN2C(=O)OC(C)(C)C
- c. NC1=CC=C(C=C1)C(=O)N2CCN2C(=O)OC(C)(C)C NC1=CC=C(C=C1)C(=O)N2CCN2C(=O)OC(C)(C)C
- d. NC1=CC=C(C=C1)C(=O)N2CCN2C(=O)OC(C)(C)C NC1=CC=C(C=C1)C(=O)N2CCN2C(=O)OC(C)(C)C

No, the answer is incorrect. Score: 0

Accepted Answers:



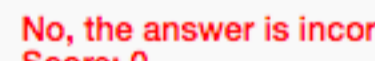
6) Q6. Predict the reagent in the following reaction:



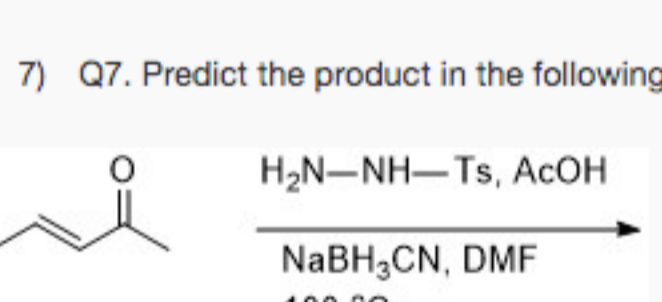
- a. LAH/THF
- b. Red Al
- c. NaBH₄
- d. NaBH₄ - CeCl₃

No, the answer is incorrect. Score: 0

Accepted Answers:



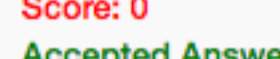
7) Q7. Predict the product in the following reaction:



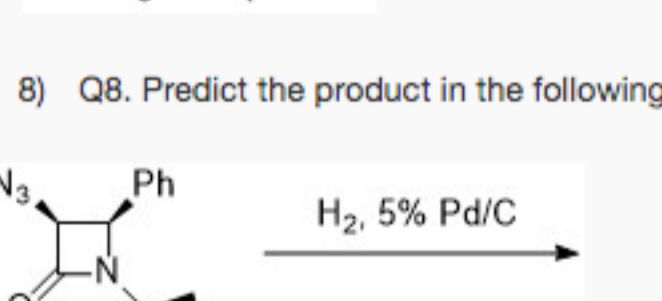
- a. CH_3CH(OH)CH_2CH_3 1,2 addition product
- b. CH_3CH(NH_2)CH_2CH_3 Amination product
- c. CH_3CH=CHCH_3 1,5 sigmatropic shift
- d. CH_3CH=CHCH_3 1,3 sigmatropic shift

No, the answer is incorrect. Score: 0

Accepted Answers:



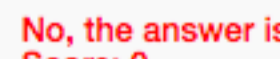
8) Q8. Predict the product in the following reactions:



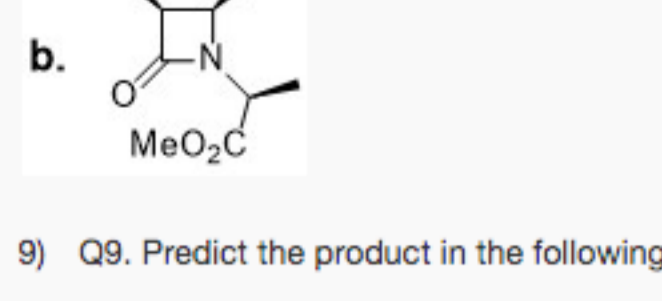
- a. CN1C(=O)N(C1)C(=O)OC
- b. CN1C(=O)N(C1)C(=O)OC
- c. CN1C(=O)N(C1)C(=O)OC
- d. CN1C(=O)N(C1)C(=O)OC

No, the answer is incorrect. Score: 0

Accepted Answers:



9) Q9. Predict the product in the following reactions:



- a. CH_3CH(OH)CH_2CH_2CH_2CH_3
- b. CH_3CH(OH)CH_2CH_2CH_2CH_3
- c. CH_3CH(OH)CH_2CH_2CH_2CH_3
- d. CH_3CH(OH)CH_2CH_2CH_2CH_3

No, the answer is incorrect. Score: 0

Accepted Answers:

