

# Unit 8 - Week 6: Formation of Aliphatic Carbon-Nitrogen Bonds

**Course outline**

How to access the portal?

Prerequisite

**Week 1: Formation of Aliphatic Carbon-Carbon Bonds: Base Catalyzed Reactions**

**Week 2: Formation of Aliphatic Carbon-Carbon Bonds: Base/Acid Catalyzed Reactions**

**Week 3: Formation of Aliphatic Carbon-Carbon Bonds: Acid Catalyzed Reactions**

**Week 4: Organometallic Reagents**

**Week 5: Organometallic Reagents/ Formation of Aliphatic Carbon-Nitrogen Bonds**

**Week 6: Formation of Aliphatic Carbon-Nitrogen Bonds**

**Quiz : Assignment 6**

Lec 1: Reactions of imines and enamines, synthesis of alkaloids and amino acids

Lec 2: Reactions of electrophilic and nucleophilic nitrogens, synthesis of amino acids and peptides

Feedback form

**Live Session-1**

**Week 7: Electrophilic Aromatic Substitution**

**Week 8: Electrophilic and Nucleophilic Aromatic Substitution**

**Week 9: Nucleophilic Aromatic Substitution**

**Week 10: Aromatic Diazonium Salts**

**Live Session-2**

**Week 11: Aromatic Diazonium Salts, Molecular Rearrangements and Reagents Containing Phosphorus**

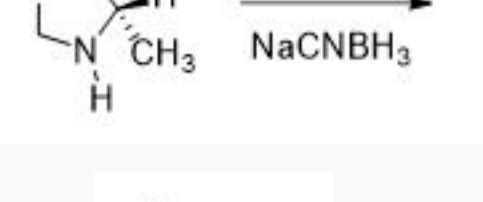
**Week 12: Reagents Containing Sulfur, Silicon, Boron, Tin and Free-Radical Reactions**

**Live Session-3**

## Assignment 6

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. **Due on 2019-09-11, 23:59 IST.**

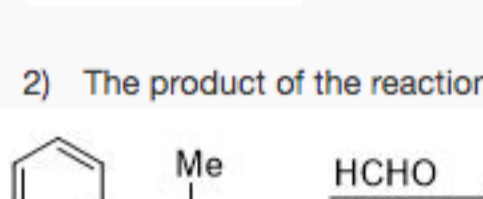
1) The major product formed in the reaction given below is 1 point



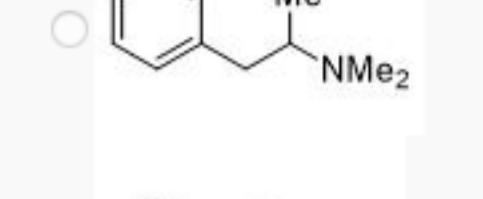
- C=C(C)C1OC(C)N1
- C=C(C)C1OC(C)N(C)1
- C=C(C)C1OC(C)N(C)C1
- C=C(C)C1OC(C)N(C)C1

No, the answer is incorrect. Score: 0

Accepted Answers:



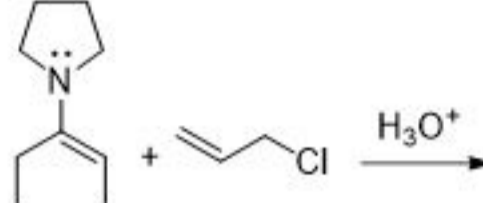
2) The product of the reaction is 1 point



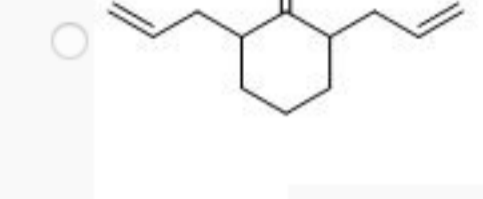
- Cc1ccc(cc1)CCN(C)C
- Cc1ccc(cc1)CCN(C)C
- Cc1ccc(cc1)CCN(C)C
- Cc1ccc(cc1)CCN(C)C

No, the answer is incorrect. Score: 0

Accepted Answers:



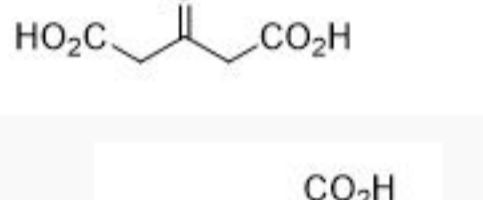
3) Predict the product of the reaction 1 point



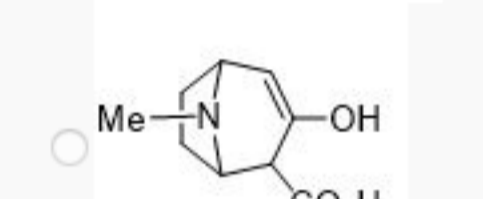
- C=CC(=O)C1CCCC1
- C1=CC=CC=C1N1CCCC1
- C=CC(=O)C1CCCC1
- C=CC(=O)C1CCCC1

No, the answer is incorrect. Score: 0

Accepted Answers:



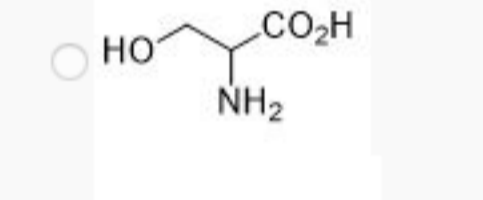
4) The product of the reaction is 1 point



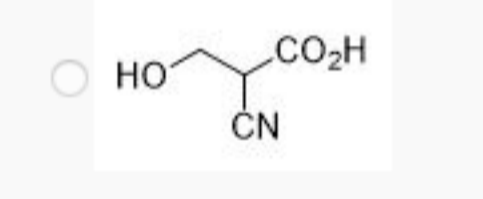
- C1=CC=CC=C1N1CCCC1
- C1=CC=CC=C1N1CCCC1
- C1=CC=CC=C1N1CCCC1
- C1=CC=CC=C1N1CCCC1

No, the answer is incorrect. Score: 0

Accepted Answers:



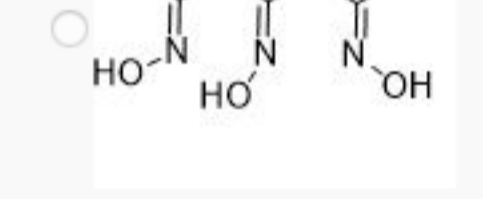
5) Predict the product of the following reaction sequence 1 point



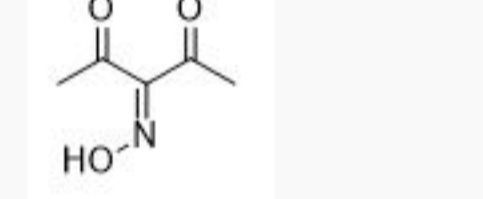
- EtOCH2CH2CN
- HOCH2CH2CO2H
- EtOCH2CH2CO2H
- HOCH2CH2CO2H

No, the answer is incorrect. Score: 0

Accepted Answers:



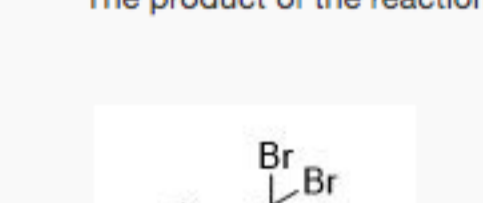
6) The major product of the reaction is 1 point



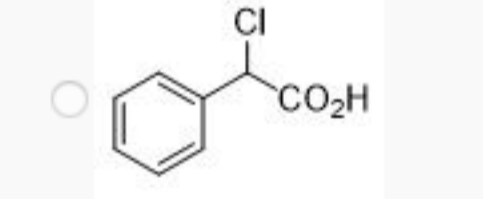
- CC(=O)CC(=O)C
- CC(=O)CC(=O)C
- CC(=O)CC(=O)C
- CC(=O)CC(=O)C

No, the answer is incorrect. Score: 0

Accepted Answers:



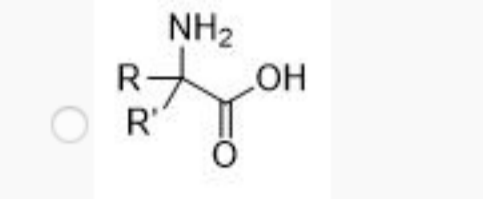
7) Predict the product of the reaction 1 point



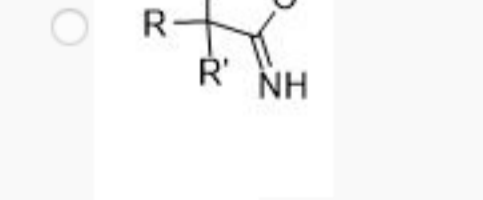
- PhCH2NO2
- PhCH2NO2
- PhCH2NO2
- PhCH2NO2

No, the answer is incorrect. Score: 0

Accepted Answers:



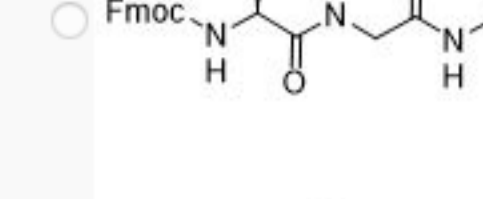
8) The product of the reaction is 1 point



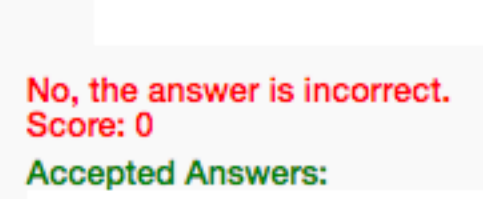
- c1ccc(cc1)C(Br)C(=O)O
- c1ccc(cc1)C(Cl)C(=O)O
- c1ccc(cc1)C(Br)C(=O)O
- c1ccc(cc1)C(Br)C(=O)O

No, the answer is incorrect. Score: 0

Accepted Answers:



9) Predict the final product of the following reaction 1 point



- R-C(=O)-R'
- R-C(=O)-R'
- R-C(=O)-R'
- R-C(=O)-R'

No, the answer is incorrect. Score: 0

Accepted Answers:



10) Predict the product of the following deprotection reaction 1 point



- Fmoc-NH-CH(Ph)-NH-CO-CH(Me)-O-C(CH3)3
- Fmoc-NH-CH(Ph)-NH-CO-CH(Me)-O-C(CH3)3
- Fmoc-NH-CH(Ph)-NH-CO-CH(Me)-O-C(CH3)3
- Fmoc-NH-CH(Ph)-NH-CO-CH(Me)-O-C(CH3)3

No, the answer is incorrect. Score: 0

Accepted Answers:

