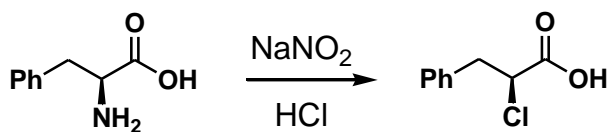




Quiz 5

1. **Problem:** Draw the mechanism for the following. *Note the stereochemistry of the product!!!* What does this tell you about the mechanism? (4 PTS)



Answer:



## CHEM 8410\_6410\_4410 – Organic Synthesis

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2. **Problem:** From either of the Gabriel Synthesis or the Krapcho Decarboalkoxylation reactions, provide a) the reaction sequence and b) the reaction mechanism. (4 PTS)



3. **Problem:** What is the major organic product obtained from the following reaction? Draw out the mechanism by first protonating one of the two hydroxyls. (4 PTS)

