CONCEPT: REACTIONS OF AMINO ACIDS: ESTERIFICATION

• Recall: Fischer Esterification is an acid-catalyzed esterification of _____ acid.

• Carboxylic acid group of _____ acids can also undergo Fischer Esterification.

□ Same nucleophilic acyl substitution mechanism as detailed in <u>Carboxylic Acid Derivatives</u> chapter.

EXAMPLE: Provide a mechanism for esterification of proline with 4-hydroxybenzyl alcohol.

PRACTICE: Provide a mechanism for acid-catalyzed hydrolysis of valine propyl ester.