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(54) Title: GLYCOPROTEIN SYNTHESIS

(57) Abstract: Methods for making glycoproteins, both in vitro and in vivo, are provided. One method involves incorporating an unnatural amino acid into a protein and attaching one or more saccharide moieties to the unnatural amino acid. Another method involves incorporating an unnatural amino acid that includes a saccharide moiety into a protein. Proteins made by both methods can be further modified with additional sugars.

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