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(54) Title: PROTEIN N-TERMINAL DE NOVO SEQUENCING BY POSITION-SELECTIVE DIMETHYLATION

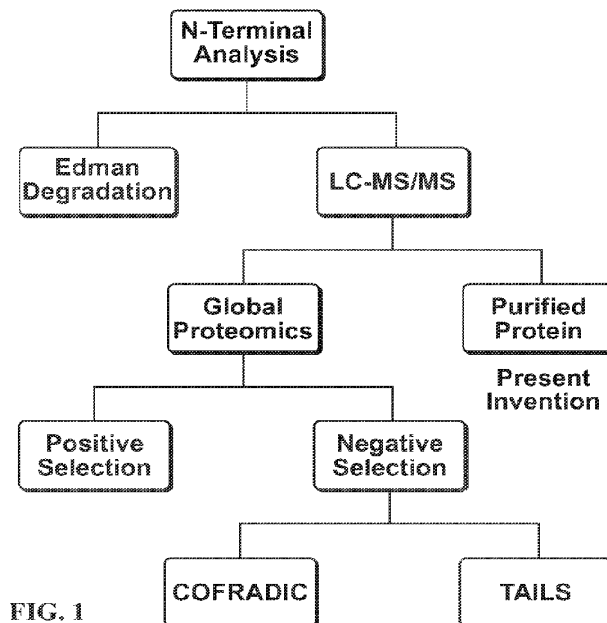


FIG. 1

(57) Abstract: The present invention generally pertains to methods of determining the amino acid sequence of a protein. In particular, the present invention pertains to the use of position-selective dimethylation and liquid chromatography-mass spectrometry to enhance the signal of N-terminal peptides and shift the signal of N-terminal peptides and corresponding b ions, thus facilitating a determination of the sequence of N-terminal peptides.

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
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