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(54) Title: METHODS FOR PURIFICATION OF ALPHA-1-ANTITRYPSIN AND APOLIPOPROTEIN A-I

(57) Abstract: This invention relates to protein separation and purification methods for both alpha- 1-antitrypsin (AAT, also known as alpha-1 proteinase inhibitor, API, and A_1-Pl) and Apolipoprotein A-I (ApoA-l) from, for example, a fraction of human blood plasma. In certain embodiments, the invention provides methods for separating AAT from ApoA-l at the initial stage of purification, so that the same starting material can be used as a source for both proteins. The methods further pertain to providing compositions of AAT and of ApoA-l suitable for pharmaceutical use and are suitable for large-scale purification.