ABSTRACT

DIMER OF MOLECULAR VARIANT OF APOLIPOPROTEIN AND PROCESSES FOR THE PRODUCTION THEREOF

The present invention relates to substantially pure dimers of Apolipoprotein Al-Milano, (Apo Al-M/Apo Al-M) which for the first time has been isolated and characterized from plasma. It also relates to pharmaceutical compositions comprising the Apo Al-M/Apo Al-M. Apolipoprotein Al-M dimer has been produced in a recombinant Escherichia coli system or collected from plasma from Apolipoprotein Al-Milano carriers. The invention also includes the method for the treatment of atherosclerosis and cardiovascular diseases and use of the dimer in the preparation of a medicament. The medicament containing the dimer can be used for treatment of atherosclerosis and cardiovascular diseases and prevention of thrombosis in different clinical circumstances, both at the arterial and at the venous level. The dimer can also act as a prodrug for the monomer.

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