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(54) Title: COMPOSITION COMPRISING HOMOGENEOUS POLYSACCHARIDE OR DERIVATIVE THEREOF AND METHOD OF USING THE SAME TO IMPROVE MUSCLE SATELLITE CELLS

(57) Abstract: A composition and a method are provided for improving number and/or function of muscle satellite cells, and/or treating or preventing muscle atrophy in a subject in need thereof. Such a composition comprising a homogenous polysaccharide or a derivative thereof, or a pharmaceutically acceptable ester or salt thereof, or a pharmaceutically acceptable solvate thereof, or any combination thereof, and a pharmaceutically acceptable excipient. The homogeneous polysaccharide consists essentially of arabinose, galactose, rhamnose, and galacturonic acid as monomer units. Such a method comprises administering an effective amount of such a composition into a subject in need thereof.



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