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(54) Title: ORAL FORMULATION FOR ACTIVATION OF AUTOLOGOUS STEM CELLS

(57) Abstract: An oral formulation for activation of autologous stem cell, comprising a stem cell activator encapsulated into a water-in-oil-in-water (W/O/W) multiple emulsion; wherein the stem cell activator induces autologous CD34⁺CD45⁺ hematopoietic stem cells (HSCs), and wherein the stem cell activator is selected from the group consisting of granulocyte colony-stimulating factor (G-CSF), stem cell factor (SCF) and combination thereof. The W/O/W multiple emulsion protects the stem cell activator from stomach acid digestion, preserving its bioactivity during transport to the bone marrow (BM) via the Peyer's patches of the intestinal lymphatic system.

WO 2025/092927 A1