

The present invention pertains to osteoprotegerin obtainable from milk sources, in particular human and bovine milk, wherein the osteoprotegerin has a glycosylation pattern giving rise to a polypeptide having a molecular weight of approximately 80, 130 and 200 kDa. The present invention also relates to the use thereof for preparing an ingestible preparation and/or a pharmaceutical composition, in particular to the use of such a preparation/composition for preventing or treating disorders associated with bone metabolism and immune function.