

Title (en)

BRANCHED-CHAIN AMINO ACID COMPOSITION FOR IMPROVING SKELETAL MUSCLE PROTEIN METABOLISM

Title (de)

AMINOSÄURE-ZUSAMMENSETZUNG MIT VERZWEIGTEN KETTEN ZUR VERBESSERUNG DES SKELETTMUSKEL-
PROTEINSTOFFWECHSELS

Title (fr)

COMPOSITION D'ACIDES AMINÉS À CHAÎNE RAMIFIÉE DESTINÉE À L'AMÉLIORATION DU MÉTABOLISME DES PROTÉINES DU MUSCLE
SQUELETTIQUE

Publication

EP 2152280 A1 20100217 (EN)

Application

EP 07719718 A 20070508

Priority

CA 2007000793 W 20070508

Abstract (en)

[origin: WO2008134844A1] The present invention relates to compositions and methods for improving skeletal muscle protein metabolism through encouraging skeletal muscle protein synthesis, reducing skeletal muscle protein degradation, and attenuating inflammatory signalling in exercising muscle. The compositions of the present invention comprise branched-chain amino acids, a plant extract that attenuates NF- κ B activity and α -butyrobetaine, and optionally, ethyl pyruvate or diferuloylmethane.

IPC 8 full level

A61K 36/19 (2006.01); **A23L 33/105** (2016.01); **A23L 33/175** (2016.01); **A61K 31/198** (2006.01); **A61K 31/205** (2006.01); **A61P 21/06** (2006.01)

CPC (source: EP)

A23L 33/10 (2016.07); **A23L 33/105** (2016.07); **A23L 33/18** (2016.07); **A61K 31/198** (2013.01); **A61K 31/205** (2013.01); **A61K 36/19** (2013.01); **A61P 21/06** (2017.12); **A23V 2002/00** (2013.01)

Citation (search report)

See references of WO 2008134844A1

Cited by

CN103750143A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

WO 2008134844 A1 20081113; AU 2007352854 A1 20081113; CA 2687107 A1 20081113; EP 2152280 A1 20100217

DOCDB simple family (application)

CA 2007000793 W 20070508; AU 2007352854 A 20070508; CA 2687107 A 20070508; EP 07719718 A 20070508