

Title (en)  
ANTI-OBESITY POTENTIAL OF GARCINOL

Title (de)  
POTENZIAL VON GARCINOL GEGEN ADIPOSITAS

Title (fr)  
POTENTIEL ANTI-OBÉSITÉ DU GARCINOL

Publication  
**EP 3638226 A4 20210407 (EN)**

Application  
**EP 18817304 A 20180613**

Priority  
• US 201762519949 P 20170615  
• US 201762523611 P 20170622  
• US 2018037242 W 20180613

Abstract (en)  
[origin: WO2018231923A1] Disclosed are compositions containing garcinol for the therapeutic management of obesity. More specifically, the invention relates to the use of garcinol for a) maintaining energy balance in mammalian adipose cellular systems b) management of hypercholesterolemia and c) reducing weight gain in mammals. The modification of gut microbiota and the increase of beneficial microbe, Akkermansia muciniphila by garcinol are also disclosed.

IPC 8 full level  
**A61K 31/122** (2006.01); **A61P 1/00** (2006.01); **A61P 3/04** (2006.01); **A61P 3/06** (2006.01)

CPC (source: EP KR)  
**A61K 31/122** (2013.01 - EP KR); **A61P 1/00** (2018.01 - EP); **A61P 3/04** (2018.01 - EP KR); **A61P 3/06** (2018.01 - EP KR)

Citation (search report)  
• [X] US 7063861 B2 20060620 - MAJEED MUHAMMED [US], et al  
• [X] CHIN-LIN HSU ET AL: "Inhibitory effects of garcinol and pterostilbene on cell proliferation and adipogenesis in 3T3-L1 cells", FOOD & FUNCTION, vol. 3, no. 1, 18 November 2011 (2011-11-18), GB, pages 49 - 57, XP055234362, ISSN: 2042-6496, DOI: 10.1039/C1FO10209E  
• [I] HEO JAEYOUNG ET AL: "Gut microbiota Modulated by Probiotics and Garcinia cambogia Extract Correlate with Weight Gain and Adipocyte Sizes in High Fat-Fed Mice", SCIENTIFIC REPORTS, vol. 6, no. 1, 23 September 2016 (2016-09-23), XP055776502, Retrieved from the Internet <URL:http://www.nature.com/articles/srep33566> DOI: 10.1038/srep33566  
• [I] WEI-LUN HUNG ET AL: "Protective effects of garcinol on dimethylnitrosamine-induced liver fibrosis in rats", FOOD & FUNCTION, vol. 5, no. 11, 1 January 2014 (2014-01-01), GB, pages 2883 - 2891, XP055755272, ISSN: 2042-6496, DOI: 10.1039/C4FO00342J

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2018231923 A1 20181220**; AU 2018284354 A1 20200116; BR 112019026824 A2 20200630; CA 3066446 A1 20181220; EP 3638226 A1 20200422; EP 3638226 A4 20210407; JP 2020523373 A 20200806; JP 2021185156 A 20211209; JP 2022097521 A 20220630; KR 102289324 B1 20210812; KR 20200012978 A 20200205; MX 2019014841 A 20200217

DOCDB simple family (application)  
**US 2018037242 W 20180613**; AU 2018284354 A 20180613; BR 112019026824 A 20180613; CA 3066446 A 20180613; EP 18817304 A 20180613; JP 2019569248 A 20180613; JP 2021130804 A 20210810; JP 2022067326 A 20220415; KR 20197038979 A 20180613; MX 2019014841 A 20180613