

(54) Title of the invention : A METHOD FOR EXTRACTION OF GARCINIA INDICA LEAF EXTRACT AND EVALUATION OF THE ANTI-OBESITY ACTIVITY THEREOF

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| <p>(51) International classification :A61K0036380000, A23L0033105000, B01D0003080000, B01D0011020000, C07C0045780000</p> <p>(86) International Application No Filing Date :PCT// :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number Filing Date :NA :NA</p> <p>(62) Divisional to Application Number Filing Date :NA :NA</p> | <p>(71)Name of Applicant :</p> <p>1)Dr. Rama Narsimha Reddy Anreddy Address of Applicant :Professor & Principal, CVM College of Pharmacy, Velichala, Ramadugu, Karimnagar -505451 -----</p> <p>2)Dr. Sudha Parimala</p> <p>3)Dr. Akash Marathakam</p> <p>4)Dr.M. Sri Ramachandra</p> <p>5)Dr. Arul Prakasam KC</p> <p>6)Dr P.Pandian</p> <p>7)Dr.G.Alagumanivasagam</p> <p>8)Dr.A.Kottai Muthu</p> <p>9)Dr. J. Amutha Iswarya Devi</p> <p>10)Mr. Ashish Singhai</p> <p>Name of Applicant : NA</p> <p>Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)Dr. Rama Narsimha Reddy Anreddy Address of Applicant :Professor & Principal, CVM College of Pharmacy, Velichala, Ramadugu, Karimnagar -505451 -----</p> <p>2)Dr. Sudha Parimala Address of Applicant :Associate Professor, Dep of Pharmacognosy, RBVRR Women's College of Pharmacy, Hyderabad - 500027, Telangana, India -----</p> <p>3)Dr. Akash Marathakam Address of Applicant :Professor and Head Dept of Pharmaceutical Chemistry National College of Pharmacy Kozhikode, Kerala-673602 -----</p> <p>4)Dr.M. Sri Ramachandra Address of Applicant :Associate Professor, Bhaskar Pharmacy College, Yenkapally, Moinabad, Rangareddy (Dist.), Telanagana-500075 -----</p> <p>5)Dr. Arul Prakasam KC Address of Applicant :Professor, Department of Pharmacy Practice, JKKMMRF, College of Pharmacy, Komarapalayam Post, Namakkal Dist. -638183 -----</p> <p>6)Dr P.Pandian Address of Applicant :Associate Professor, Department of Pharmacy, Annamalai University, Annamalai Nagar Chidambaram-608002 -----</p> <p>7)Dr.G.Alagumanivasagam Address of Applicant :Assistant Professor Department of Pharmacy Annamalai university -----</p> <p>8)Dr.A.Kottai Muthu Address of Applicant :Associate Professor Department of Pharmacy Annamalai University Annamalai Nagar .608002. -----</p> <p>9)Dr. J. Amutha Iswarya Devi Address of Applicant :Principal St. Mariam college of Pharmacy, Pudur-627851 Tirunelveli District, TamilNadu -----</p> <p>10)Mr. Ashish Singhai Address of Applicant :Assistant Professor, College of Pharmacy, Teerthankar Mahaveer University, Moradabad, Uttar Pradesh, India-244001 -----</p> |
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(57) Abstract :

ABSTRACT A METHOD FOR EXTRACTION OF GARCINIA INDICA LEAF EXTRACT AND EVALUATION OF THE ANTI-OBESITY ACTIVITY THEREOF The present disclosure relates to method for extracting Garcinia indica leaf methanolic extract and the evaluation of its anti-obesity activity. The method involves collecting, drying and grinding of Garcinia indica leaves, followed by Soxhlet extraction in methanol. The resulting extract is filtered and the solvent is removed by distillation in a rotary evaporator to obtain solid residue. This extract is used for evaluation of acute toxicity and anti-obesity activity in adult female albino wistar rat model using Atorvastatin as standard treatment. Anti-obesity activity was evaluated by measurement of total cholesterol, triglycerides, HDL and LDL cholesterol levels. (FIG. 1 will be the reference figure)

No. of Pages : 16 No. of Claims : 2