

(54) Title of the invention : ANTI-PROLIFERATIVE POTENTIAL OF PHYTOESTROGEN LIPID CONJUGATE

<div><div>(51) International classification</div><div>:A61P0035000000, A61K0031352000, A61P0035040000, C12Q0001688600, A61K0009000000</div></div> <div><div>(86) International Application No</div><div>:NA</div><div>Filing Date</div><div>:NA</div></div> <div><div>(87) International Publication No</div><div>: NA</div></div> <div><div>(61) Patent of Addition to Application Number</div><div>:NA</div><div>Filing Date</div><div>:NA</div></div> <div><div>(62) Divisional to Application Number</div><div>:NA</div><div>Filing Date</div><div>:NA</div></div>		<div>(71)Name of Applicant : 1)JSS COLLEGE OF PHARMACY, OOTY- JSS ACADEMY OF HIGHER EDUCATION & RESEARCH Address of Applicant :POST BOX NO. 20 ROCKLANDS, OOTACAMUND, THE NILGRIS, TAMILNADU OOTACAMUND ----- Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)PRIYADHARSHINI Address of Applicant :JSS COLLEGE OF PHARMACY, OOTY- JSS ACADEMY OF HIGHER EDUCATION & RESEARCH, POST BOX NO.20, ROCKLANDS, OOTACAMUND, THE NILGRIS-643001 OOTACAMUND ----- 2)JUBIE SELVARAJ Address of Applicant :JSS COLLEGE OF PHARMACY, OOTY- JSS ACADEMY OF HIGHER EDUCATION & RESEARCH, POST BOX NO.20, ROCKLANDS, OOTACAMUND, THE NILGRIS-643001 OOTACAMUND ----- 3)Dr. JAWAHAR NATARAJAN Address of Applicant :JSS COLLEGE OF PHARMACY, OOTY- JSS ACADEMY OF HIGHER EDUCATION & RESEARCH, POST BOX NO.20, ROCKLANDS, OOTACAMUND, THE NILGRIS-643001 OOTACAMUND ----- 4)Dr. S. P. DHANABAL Address of Applicant :JSS COLLEGE OF PHARMACY, OOTY- JSS ACADEMY OF HIGHER EDUCATION & RESEARCH, POST BOX NO.20, ROCKLANDS, OOTACAMUND, THE NILGRIS-643001 OOTACAMUND -----</div>
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(57) Abstract :
Anti-proliferative potential of phytoestrogen lipid-conjugate relates to a novel phytoestrogen lipid conjugate, the lipophilicity and permeability can be improved and the compound can be efficiently delivered to the nuclear ER receptor. The developed quercetin lipid conjugate prevent dimerization of estrogen receptor and also has the potential to down regulate ER Alpha driven proliferative genes such as CCND1, CMYC by binding to estrogen responsive elements and control cell proliferation and invasion.

No. of Pages : 43 No. of Claims : 14