

(54) Title of the invention : PROCESS FOR EXTRACTION OF EXTRACT FROM PLECTRANTHUS AMBOINICUS LOUR. LEAVES HAVING PHYTOCHEMICAL AND PHENOLIC COMPONENTS

(51) International classification :A61K0036530000, B01D0011020000, A01N0065000000,  
A61K0031050000, A61K0036230000

(86) International Application No :NA  
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA  
Filing Date :NA

(62) Divisional to Application Number :NA  
Filing Date :NA

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(57) Abstract :  
The present invention provides a plant extract from Plectranthus amboinicus Lour leaves with phytochemical components and phenolic contents. The plant extract from Plectranthus amboinicus Lour leaves can be useful as a potential anticancer agent. The process for the extraction of Plectranthus amboinicus Lour leaves, comprising: collecting, washing the leaves thoroughly with distilled water and dividing into three equal parts as fresh leaves, sun-dried leaves and shade dried leaves; drying the leaves under sun and shade for seven days and powdering it separately; macerating separately the fresh, sun-dried and shade dried leaves for 48 hours; filtering and evaporating the plant material to obtain the crude product; performing the Soxhlet extraction and evaporating the plant material for 12hours at 72°C to obtained the nine different crude products separately. The process for extraction, wherein the solvents used in extraction are selected from group of the green solvents and organic solvents. The process for extraction, wherein the green solvents used in extraction are selected from group of lactic acid, acetic acid, and glycerol. The process for extraction, wherein the organic solvents used are selected from group of methanol, hexane, and toluene. The plant extract from Plectranthus amboinicus Lour leaves, wherein the crude extracts contained alkaloids, flavonoids, and phenolic compounds.

No. of Pages : 22 No. of Claims : 8