

PATENT NO. 327026
NOVEL METHOD OF SEPARATION AND ISOLATION OF INDIRUBIN FROM
STROBILANTHES FLACCIDIFOLIUS LEAVES

APPLICATION NO. 695/KOL/2013

APPLICANT

Manipur University

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ABSTRACT

The present invention relates to a method for the separation and isolation of indirubin, resulting in high yield from strobilanthes flaccidifolius comprising the steps of (i) taking fresh leaves of strobilanthes flaccidifolius in a closed stoppered flask and adding chloroform such that the reaction of indoxyl with β -glucosidase occurs in the presence of chloroform; (ii) collecting the product intermittently after 3 days for 3 times; (iii) concentrating the obtained liquid product of step (ii) with the help of a freeze drier; (iv) loading the said product in an open column chromatograph; (v) eluting indirubin first with petroleum ether and then with 50% chloroform in methanol.

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CLAIM 1

A method for the separation and isolation of indirubin, resulting in high yield from strobilanthes flaccidifolius comprising the steps of (i) taking fresh leaves of strobilanthes flaccidifolius in a closed stoppered flask and adding chloroform such that the reaction of indoxyl with β -glucosidase occurs in the presence of chloroform; (ii) collecting the product intermittently after 3 days for 3 times; (iii) concentrating the obtained liquid product of step (ii) with the help of a freeze drier; (iv) loading the said product in an open column chromatograph; (v) eluting indirubin first with petroleum ether and then with 50% chloroform in methanol.