

(54) Title of the invention : STABILITY INDICATING METHOD DEVELOPMENT AND VALIDATION OF ANTICANCER DRUG USING RP-HPLC METHOD

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(57) Abstract :

ABSTRACT STABILITY INDICATING METHOD DEVELOPMENT AND VALIDATION OF ANTICANCER DRUG USING RP-HPLC METHOD Aspects of present disclosure relate to a stability indicating method development and validation of anticancer drug using Reverse Phase-High Performance Liquid Chromatography (RP-HPLC) method. Initial chromatographic conditions were set and different trials were run to Dacarbazine get eluted with good peak symmetric properties. Mobile phase 0.1 % OPA buffer PH 5.0 : Acetonitrile (90:10 % v/v), flow rate 1ml, and detection wave length at 323 nm conditions were finalized as optimized method. A stability study on Dacarbazine was carried out and an efficient HPLC method for quantification and identification of its degradation products in bulk drug was developed and validated. Figure 7 shall be reference figure.

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