Patent Search

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Abstract:

The invention relates to a method of separating a compound of interest from a crude extract through thin layer chromatographic process. It provide a process in whi used as solvents in various chromatographic techniques and also calculated retention time of the compound of interest through thin layer chromatographic process. develop through combinations of solids to form eutectic mixtures, which gives eco-friendly solutions, substituting toxicity and pollution caused by most of the organi The method consist of various solids combination and are used for separation of crude sample of various solids at different ratio. Phyto constituents from herbal ext using TLC as separation techniques is employed successfully with the herbal extracts.

Complete Specification

Claims:1. A method of separating a compound of interest from a crude extract through thin layer chromatographic process, the method comprising the steps of:
(a) Solids act as solvent in the form of eutectic mixture of various combinations;
(b) Providing a crude extract containing a compound of interest;
(c) Subjecting a portion of the crude extract containing to a separation using thin layer chromatography to determine an Rf value for the compound of interest.

2. The method of claim 1 wherein provide a process in which solid is used as solvents in various chromatographic techniques.

3. The method of claim 1 step of predicting a retention time of the compound of interest from the through thin layer chromatographic process.

4. The method of claim 1 wherein step (b) comprises:
(1) Subjecting a portion of the mixture to a separation using thin layer chromatography to produce one or more spots or zones;
(2) Analyzing the one or more spots or zones using a UV visible spectrophotometer to determine the spot or zone containing the compound of interest; and
(3) Determining an Rf value for the compound of interest.

5. The method of claim 1 wherein an solids as a mobile phase are used to perform thin layer chromatograph is used to predict the retention time in step (c)

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