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Application of numerical taxonomy techniques to the choice of optimum mobile phase in high-performance thin-layer chromatography (HPTLC)

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Abstract

A total of eight solvent systems used for the separation of 1,4-benzodiazepine mixtures were investigated. The classification of solvent systems was carried out by the numerical taxonomy technique. The selection of optimum solvent system was accomplished on the basis of information quantity and objective function. The method was found to be a rapid and efficient tool in the choice of optimum system solvent.

Author Keywords

1,4-benzodiazepines; High- performance thin-layer chromatography; Mobile phase; Numerical taxonomy; Optimization

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