

## 二维液相色谱接口技术

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## Interface of two dimensional liquid chromatography

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**摘要** 二维液相色谱具有峰容量大、分辨率高、分析速度快等优点,已经成为复杂样品分离分析的重要工具。两种分离模式的转换通常需要经过一个特殊接口来完成,接口是二维液相色谱系统的核心,也是限制二维液相色谱应用的瓶颈;两种流动相不互溶时,接口尤为重要。本文针对二维液相色谱接口技术近期的发展和应用进行总结。引用文献51篇。

**关键词:** 二维液相色谱 接口 复杂样品

**Abstract:** Two dimensional liquid chromatography (2D-LC) has become an important analytical tool for the separation of complex samples due to enhanced peak capacity and selectivity compared to one-dimensional LC. The interface of the two dimensions is the key technology in 2D-LC system. The interface shall provide mobile phase removal from the 1st D-LC and solutes focusing before the fraction transfer into the 2nd D-LC. A comprehensive review on the interface is presented, and 51 references are cited.

**Keywords:** two dimensional liquid chromatography (2D-LC) interface complex samples

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