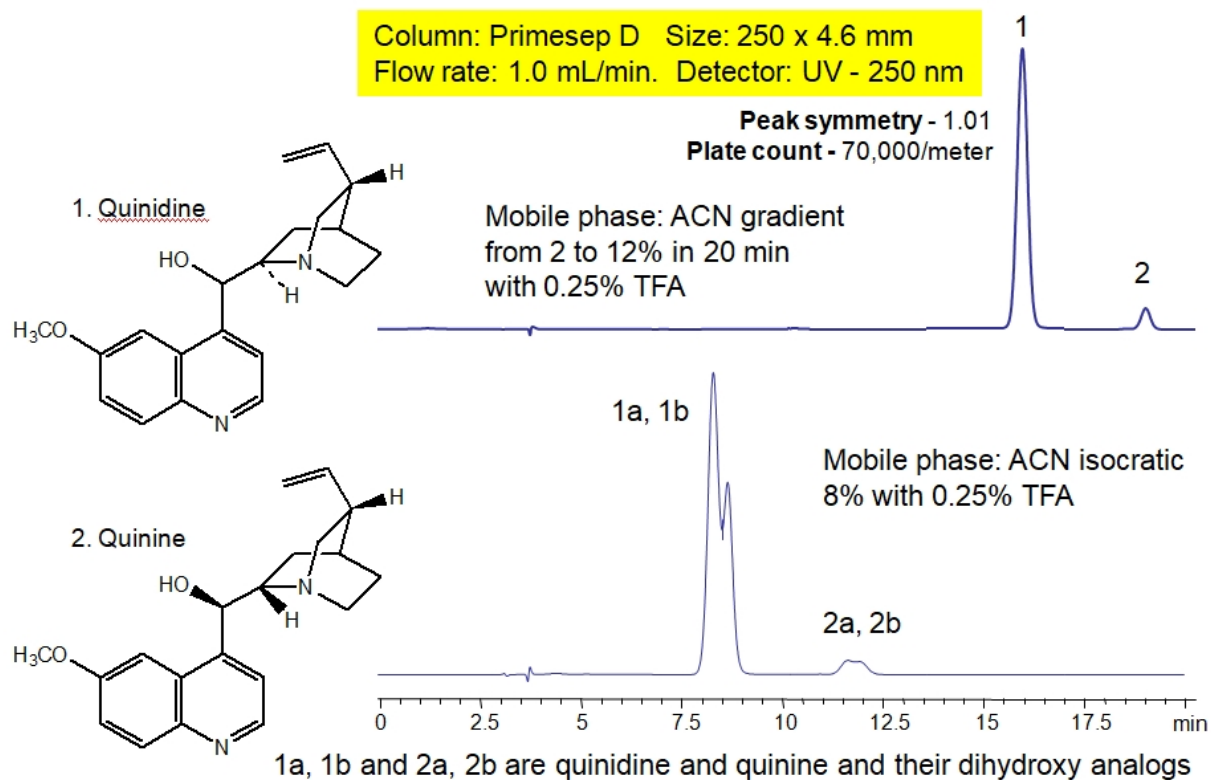


HPLC Separation of Quinine and Quinidine

<https://sielc.com/Application-HPLC-Separation-of-Quinine-and-Quinidine>

Chromatogram



Description

Quinine and quinidine are diastereomers. Quinine is an alkaloid with fever-reducing analgetic and anti-inflammatory properties. Both compounds have the same structure, and the only difference is optical position at two centers. These two diastereomers were separated on achiral mixed-mode cation-exclusion Primesep B column. No separation is observed on traditional achiral reversed-phase column. This examples shows that even diastereomers can be separated on mixed-mode HPLC columns.