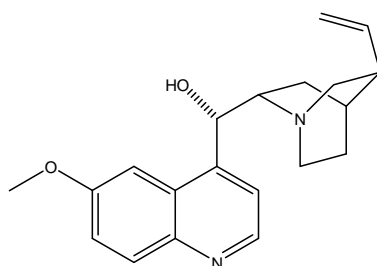
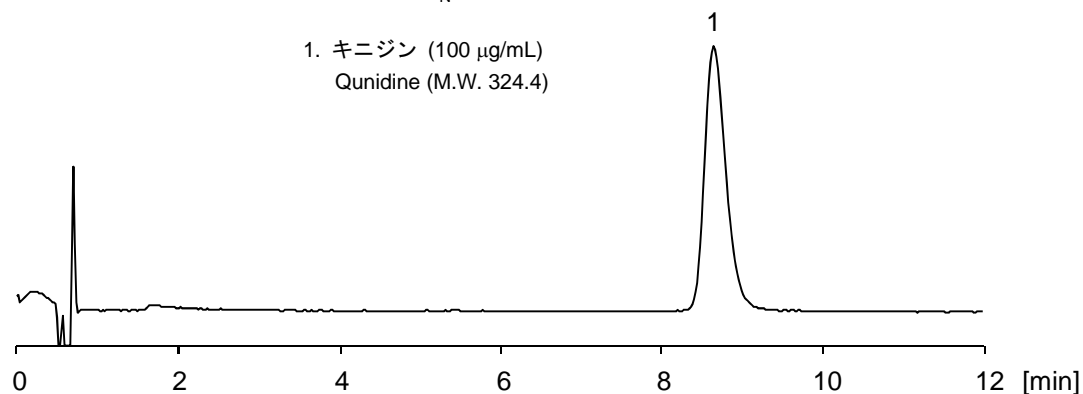


抗不整脈薬のキニジンは、有効血中濃度範囲が狭く、かつその範囲が中毒濃度範囲に接近しているため、正確で再現性のある測定が求められます。唯一、酸性条件における保持係数の規格を有したカラムである CAPCELL PAK C₁₈ MGIII S3 (2.0 mm i.d. x 50 mm) を用いた分析例を示します。

Quinidine is one of the antiarrhythmic drugs which has narrow range of effective circulating level in blood; furthermore, the range is closed to that of toxic dose. Therefore, certainly reproducible determination is wanted. In response, a column, the only one with control specification under acidic condition, CAPCELL PAK C₁₈ MGIII S3 (2.0 mm i.d. x 50 mm) was used.



1. キニジン (100 µg/mL)
Quinidine (M.W. 324.4)



【HPLC Conditions】

Column : CAPCELL PAK C₁₈ MGIII S3 ; 2.0 mm i.d. x 50 mm
 Mobile phase : 10 mmol/L HCOONH₄ (pH 3, HCOOH) / CH₃CN = 90 / 10
 Flow rate : 200 µL/min
 Temperature : 40 °C
 Detection : UV 220 nm
 Inj. vol. : 5 µL
 Sample dissolved in : Mobile phase
 ※ 1 µg/mL = 1 ppm