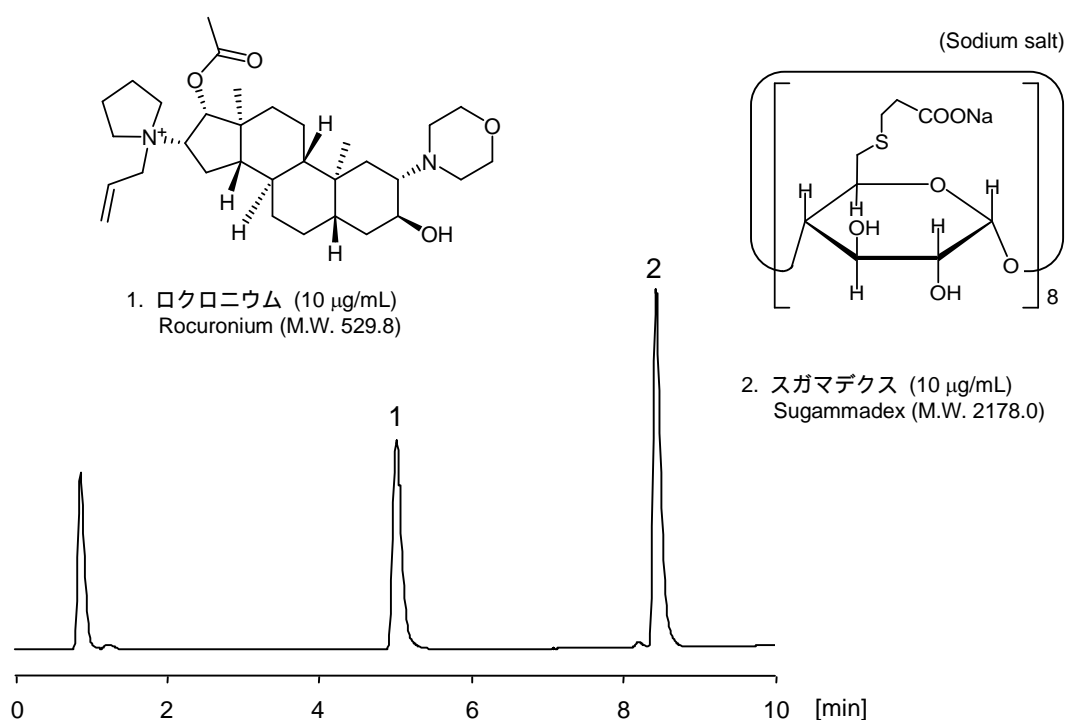


ロクロニウム

Rocuronium

筋弛緩剤ロクロニウムとその拮抗薬スガマデクスを CAPCELL PAK C₁₈ MGIII S3 (2.0 mm i.d. x 75 mm) にて分離し, NQAD にて検出しました. 両物質は UV 検出器では高感度が得られないため NQAD による検出が有効な手段です.

Rocuronium, one of the muscle relaxants, and sugammadex, its antagonist, were separated with CAPCELL PAK C₁₈ MGIII S3 (2.0 mm i.d. x 75 mm), and detected with Nano Quantity Analyte Detector (NQAD). Since a UV detector shows a low sensitivity for both compounds, the use of NQAD seems advantageous.



【HPLC Conditions】

| | |
|---------------------|---|
| Column | : CAPCELL PAK C ₁₈ MGIII S3 ; 2.0 mm i.d. x 75 mm |
| Mobile phase | : A) 0.1 vol% HCOOH, B) CH ₃ OH B 10 % (0 min) 90 % (10 min) 10 % (10.1 min) Gradient |
| Flow rate | : 200 µL/min |
| Temperature | : 40 °C |
| Detector | : NQAD 5600 (Evaporation 35 , Nebulizer 30 , Filter 2.5 sec) |
| Inj. vol. | : 5 µL |
| Sample dissolved in | : Each standard was dissolved together in water at 1 mg/mL, and diluted with mobile phase A to 10 µg/mL. 1 µg/mL = 1 ppm |