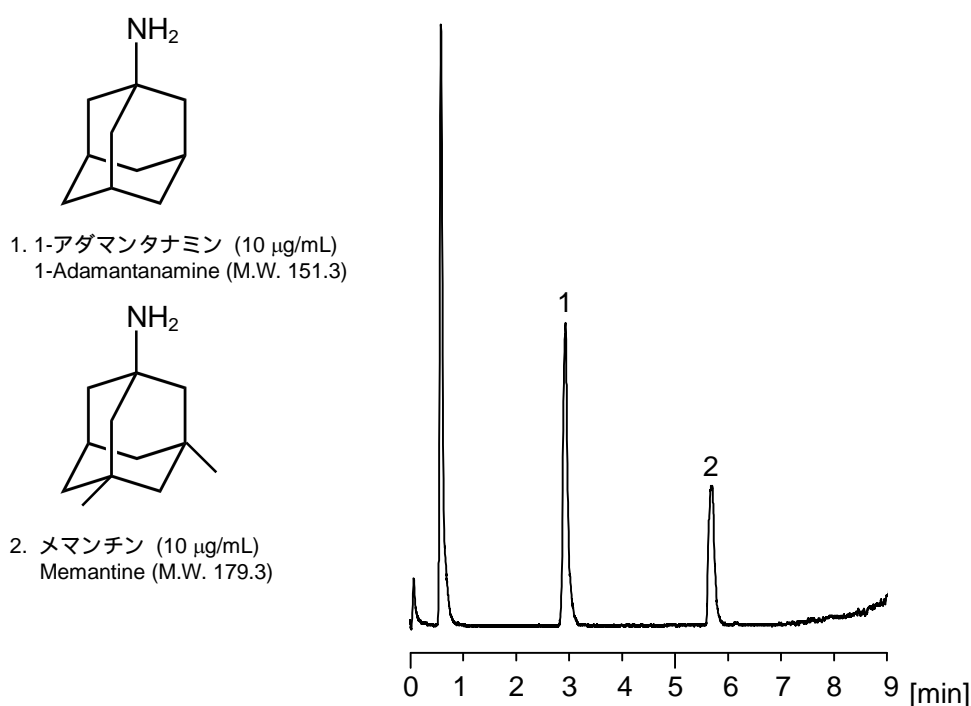


1-アダマンタナミン , メマンチン 1-Adamantanamine, Memantine

アダマンタン骨格を有する 1-アダマンタナミンおよびメマンチンはそれぞれパーキンソン病薬 , アルツハイマー病薬です . 両物質を CAPCELL CORE C₁₈ S2.7 (2.1 mm i.d. x 50 mm) にて分離し , NQAD で検出しました .

1-Adamantanamine and memantine, two compounds possessing an adamantane frame, are Parkinson's and Alzheimer's diseases, respectively. The two compounds were separated with CAPCELL CORE C₁₈ S2.7 (2.1 mm i.d. x 50 mm), and detected with nano quantity analyte detector (NQAD).



【HPLC Conditions】

Column : CAPCELL CORE C₁₈ S2.7 ; 2.1 mm i.d. x 50 mm
Mobile phase : A) 5 mmol/L CH₃COONH₄
B) CH₃OH
B 20 % (0 min) 80 % (9.0 min) 20 % (9.1 min) Gradient
Flow rate : 200 μL/min
Temperature : 40 °C
Detection : NQAD (Evaporation 50 , Nebulization 30 , Filter 2.5 sec)
Inj. vol. : 3 μL
Sample dissolved in : Each standard compound was dissolved in THF at 1 mg/mL.
10 μL of the two solutions were added together, and diluted to 1 mL with Mobile phase A.
1 μg/mL = 1 ppm