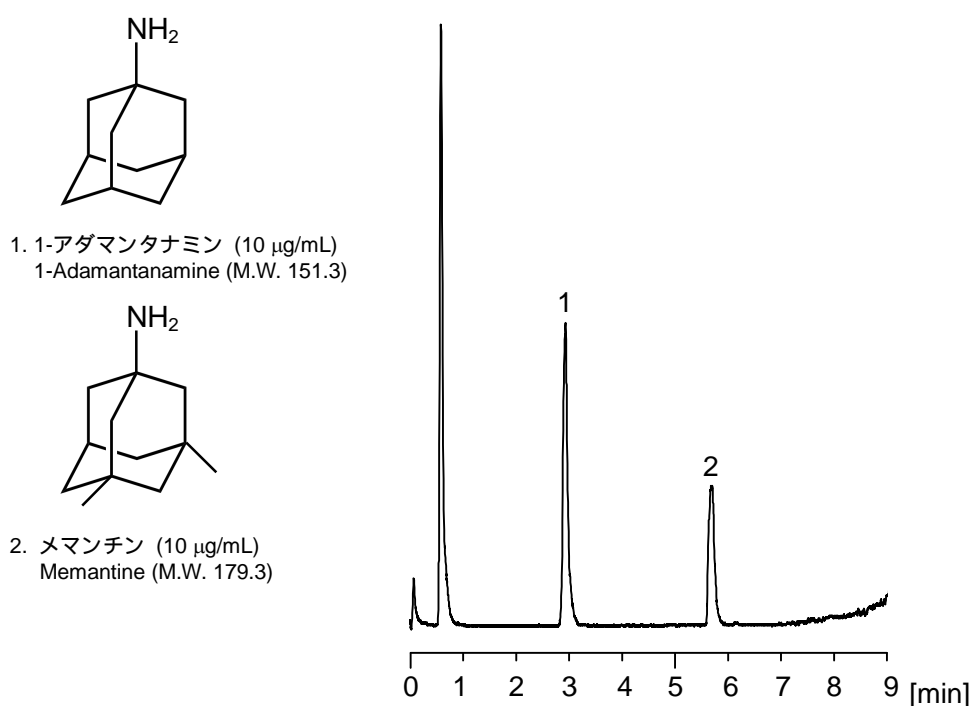


## 1-アダマンタナミン , メマンチン 1-Adamantanamine, Memantine

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 C<sub>18</sub> 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 C<sub>18</sub> S2.7 (2.1 mm i.d. x 50 mm), and detected with nano quantity analyte detector (NQAD).



### 【HPLC Conditions】

Column : CAPCELL CORE C<sub>18</sub> S2.7 ; 2.1 mm i.d. x 50 mm  
Mobile phase : A) 5 mmol/L CH<sub>3</sub>COONH<sub>4</sub>  
B) CH<sub>3</sub>OH  
B 20 % (0 min) 80 % (9.0 min) 20 % (9.1 min) Gradient  
Flow rate : 200  $\mu\text{L/min}$   
Temperature : 40 °C  
Detection : NQAD (Evaporation 50 , Nebulization 30 , Filter 2.5 sec)  
Inj. vol. : 3  $\mu\text{L}$   
Sample dissolved in : Each standard compound was dissolved in THF at 1 mg/mL.  
10  $\mu\text{L}$  of the two solutions were added together, and diluted to 1 mL with Mobile phase A.  
1  $\mu\text{g/mL}$  = 1 ppm