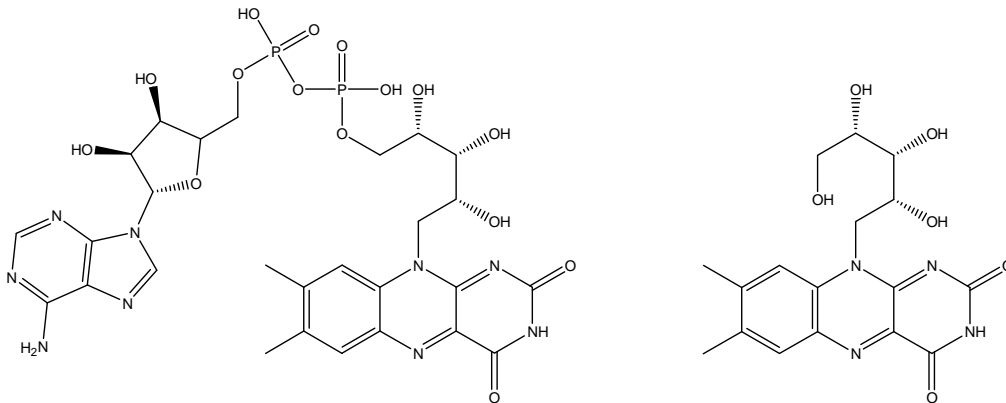


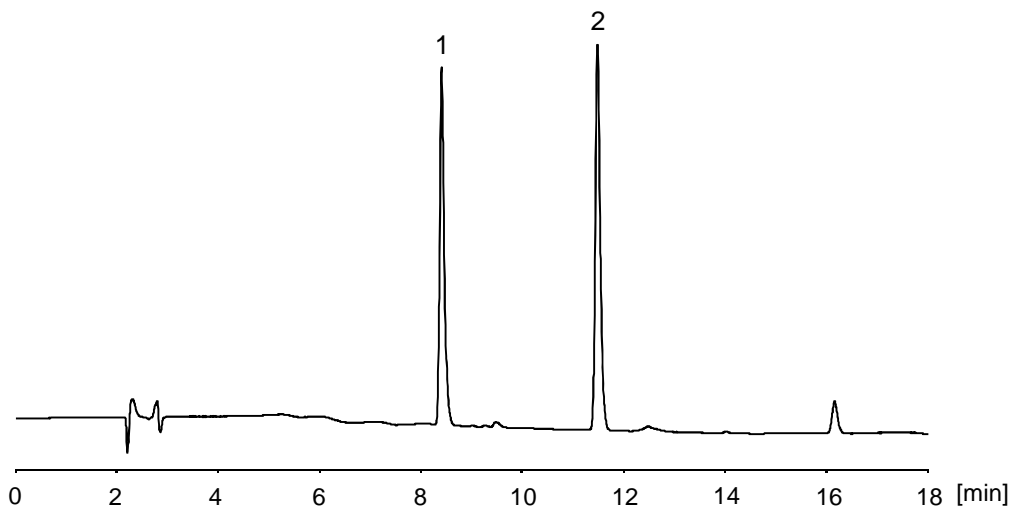
フラビンアデニンジヌクレオチド Flavin adenine dinucleotide

リボフラビンの補酵素型の1種であるフラビンアデニンジヌクレオチド (FAD) について、CAPCELL PAK ADME S5 (2.1 mm i.d. x 150 mm) を用いて分析した例を示します。



1. フラビンアデニンジヌクレオチド (10 $\mu\text{g}/\text{mL}$)
Flavin adenine dinucleotide (FAD) (M.W. 785.6)

2. リボフラビン (10 $\mu\text{g}/\text{mL}$)
Riboflavin (M.W. 376.4)



【HPLC Conditions】

Column : CAPCELL PAK ADME S5 ; 2.1 mm i.d. x 150 mm
Mobile phase : A) 10 mmol/L HCOONH₄, B) CH₃CN
B 5 % (0 min) -> 35 % (15 min) -> 5 % (15.1 min) Gradient
Flow rate : 200 $\mu\text{L}/\text{min}$
Temperature : 40 °C
Detector : PDA 254 nm
Inj. vol. : 2 μL
Sample dissolved in : Flavin adenine dinucleotide was dissolved in water. Riboflavin was dissolved in 0.1 mol/L NaOH, and then mixed together with water at 10 $\mu\text{g}/\text{mL}$.