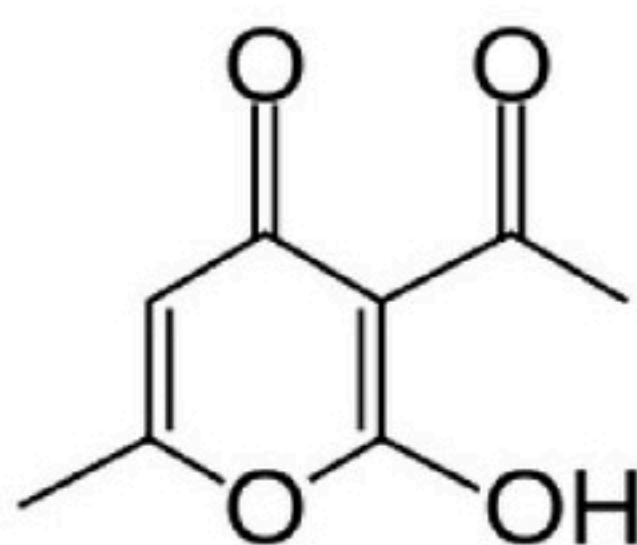


# IM Columnアプリケーション

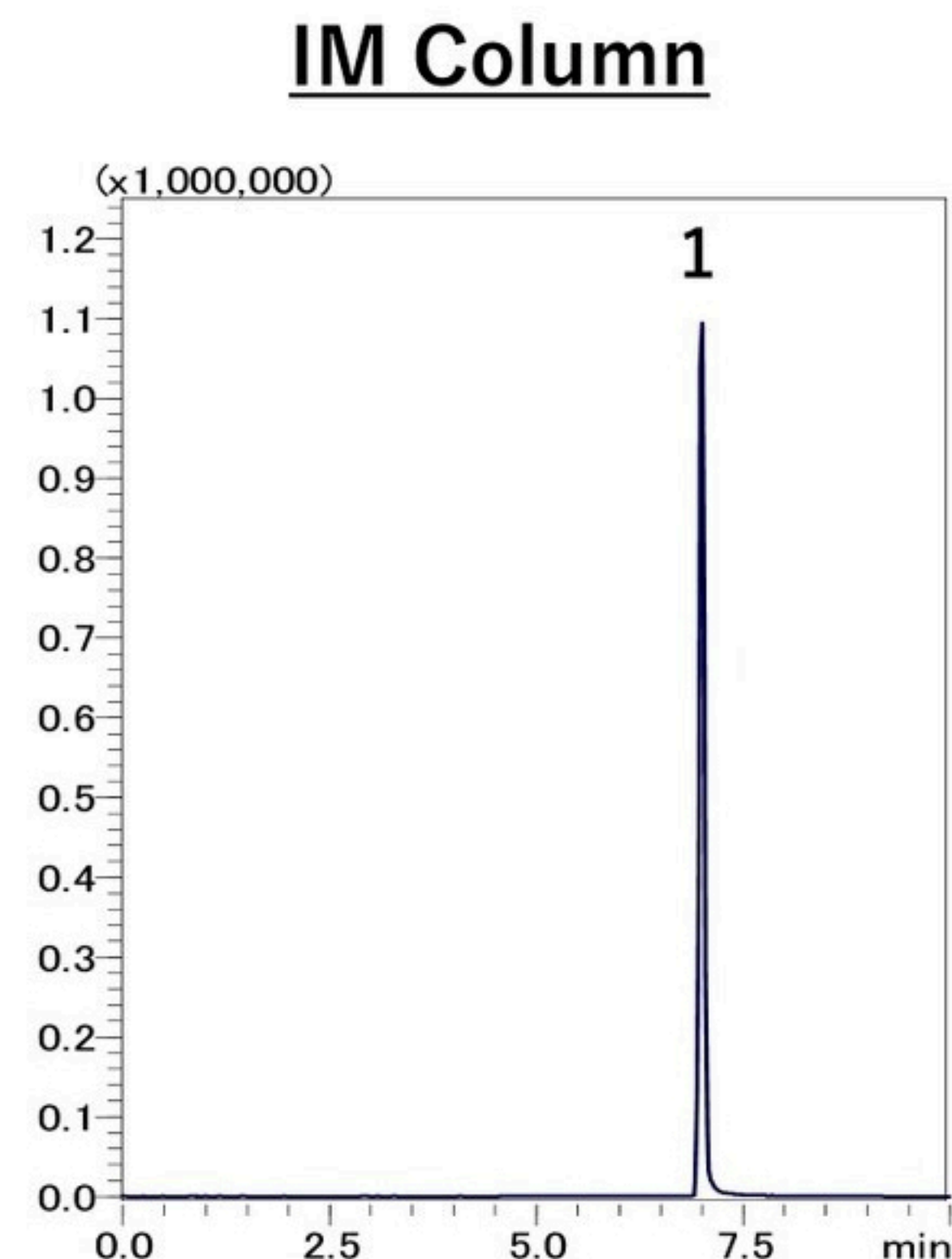
## Dehydroacetic AcidのLC/MS分析

### Conditions

Column : IM Column InertSustain C18  
(3  $\mu$ m, 150  $\times$  2.1 mm I.D.)  
Eluent : A) 0.1 %HCOOH in H<sub>2</sub>O  
B) 0.1 %HCOOH in ACN  
A/B = 90/10-8 min-10/90-2 min-10/90, v/v  
Flow Rate : 0.2 mL/min  
Col. Temp. : 30  $^{\circ}$ C  
Detection : MS/MS (ESI, Positive, MRM)  
Inj. Vol. : 2  $\mu$ L  
Sample : 1. Dehydroacetic Acid



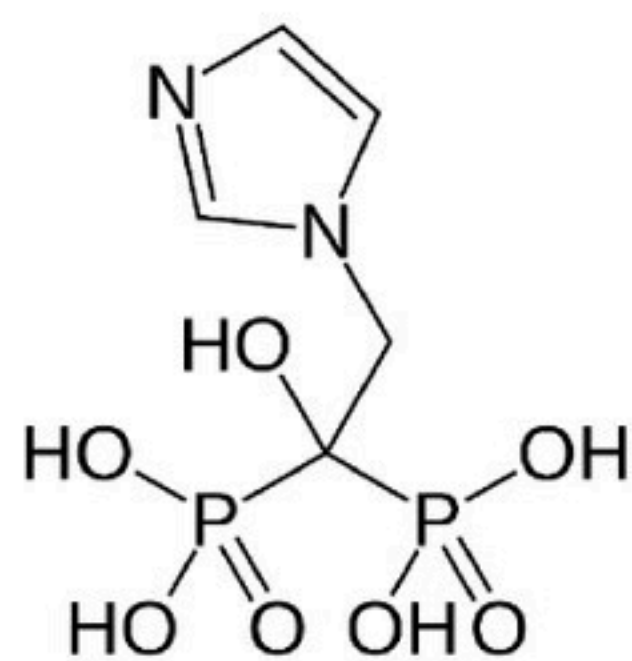
Dehydroacetic Acid



## Zoledronic AcidのLC/MS分析

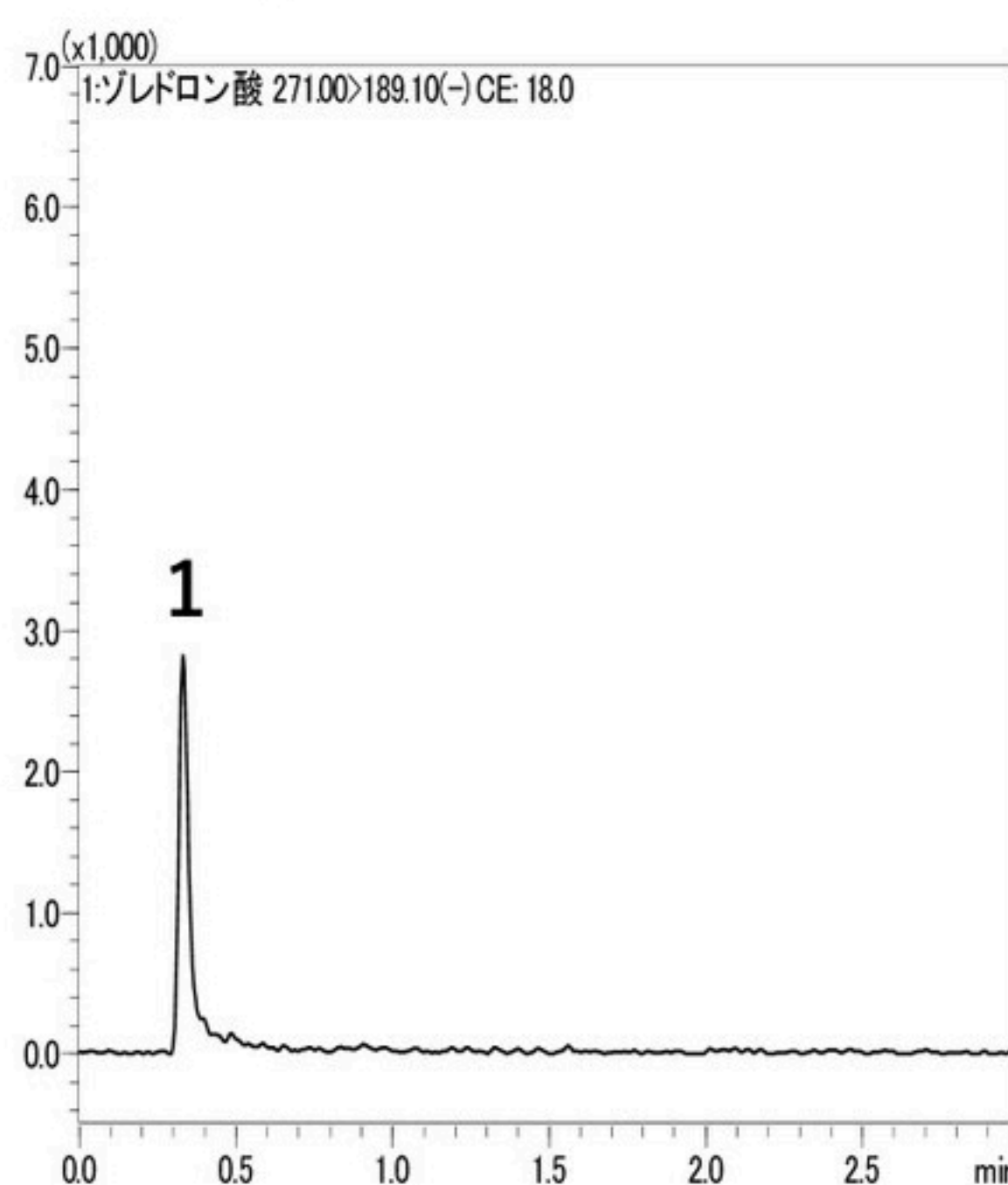
### Conditions

System : Nexera LCMS-8030 plus  
Column : InertSustainSwift C18  
(3  $\mu$ m, 50  $\times$  2.1 mm I.D.)  
Eluent : 5 mM Ammonium Formate in H<sub>2</sub>O  
Flow Rate : 0.4 mL/min  
Col. Temp. : 40  $^{\circ}$ C  
Detection : MS/MS (ESI, Negative, MRM)  
Inj. Vol. : 1  $\mu$ L  
Sample : 1. Zoledronic acid (500  $\mu$ g/L)

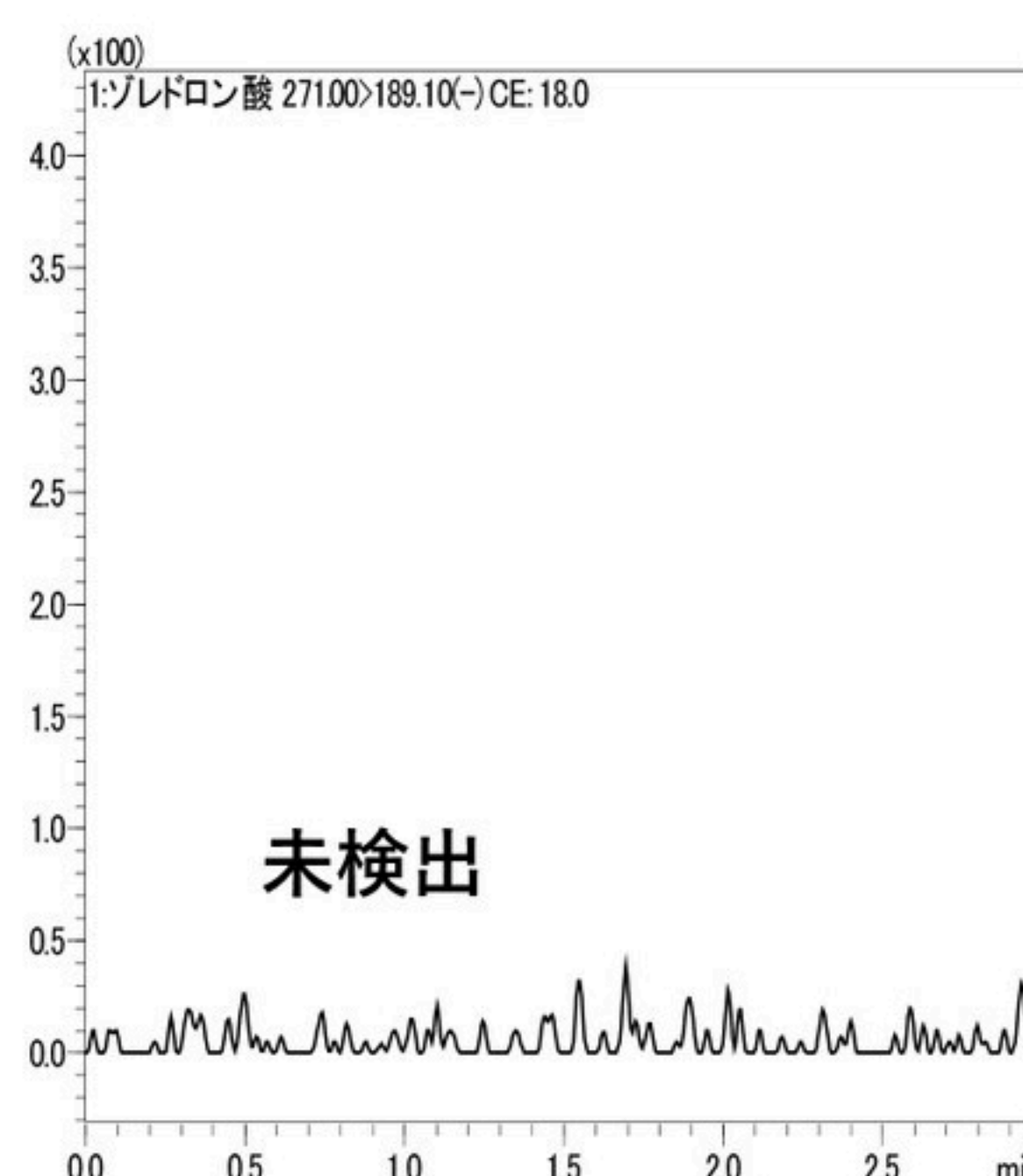


Zoledronic acid

### IM Column



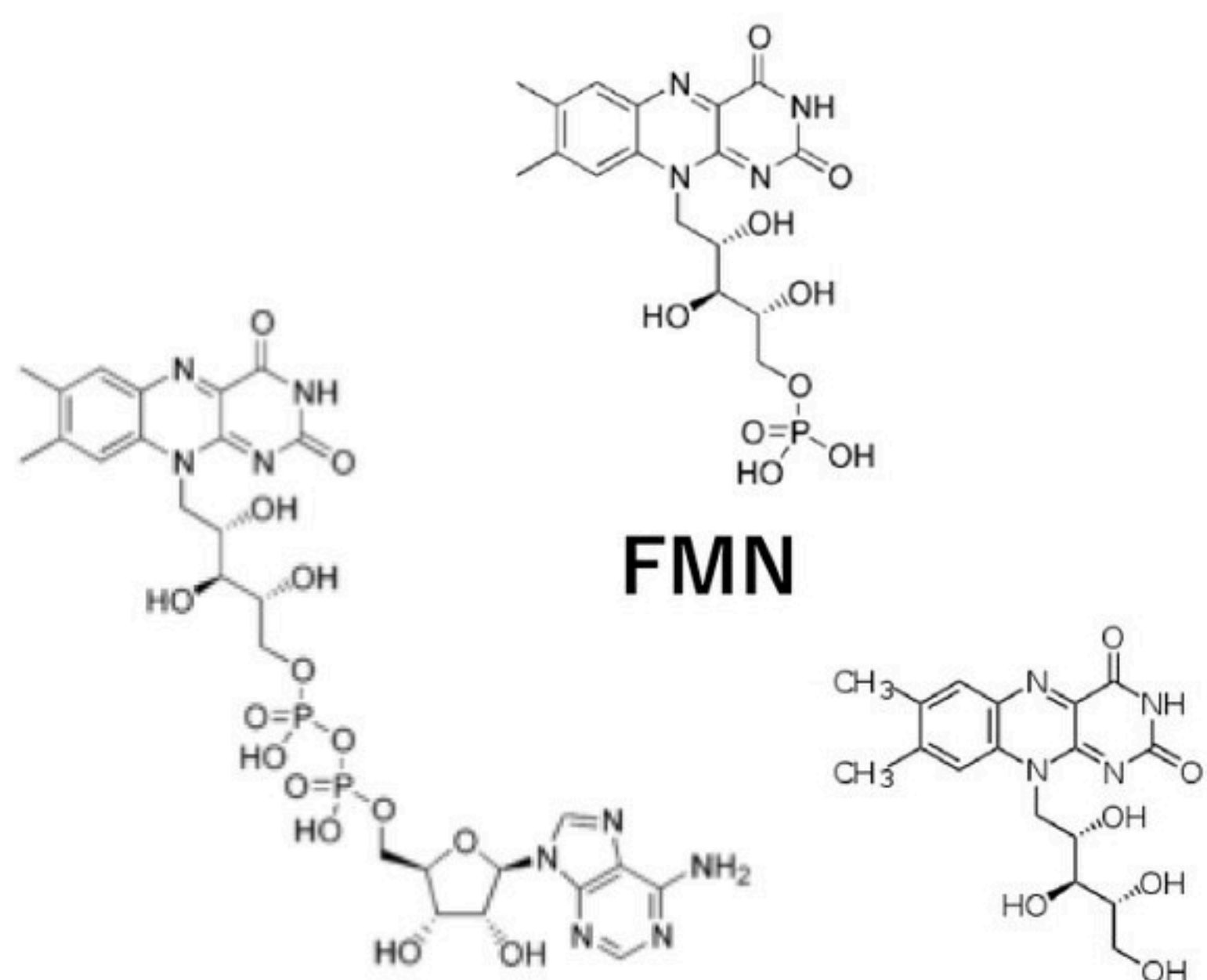
### ステンレスカラム



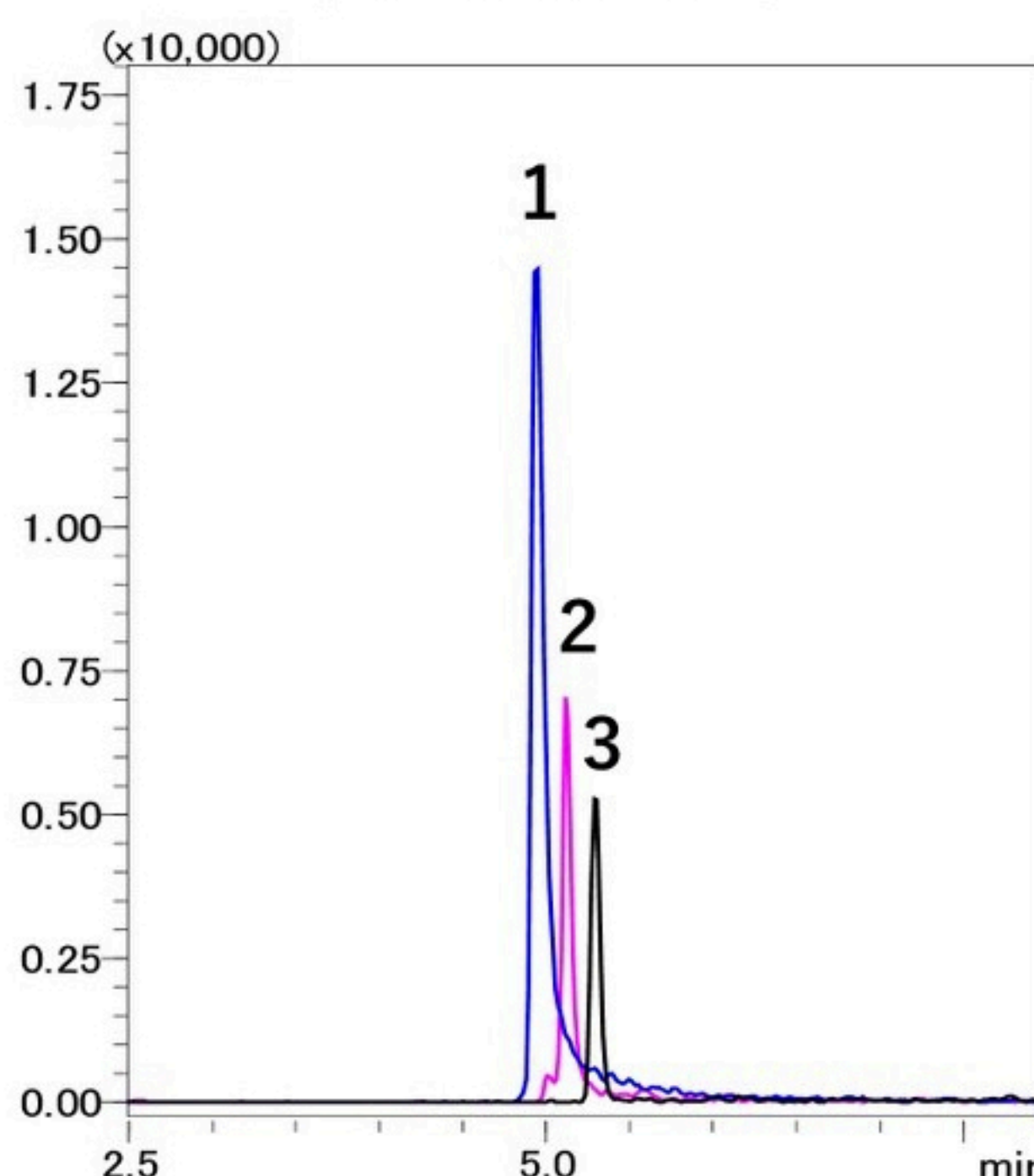
## Riboflavin (Vitamin B2) とその代謝物のLC/MS分析

### Conditions

System : Nexera LCMS-8030 Plus  
Column : InertSustainSwift C18 (3  $\mu$ m, 150  $\times$  2.1 mm I.D.)  
Eluent : A) 0.1 % HCOOH in H<sub>2</sub>O, B) ACN  
A/B = 99/1 - 10 min - 0/100- 5 min - 0/100 - 0.1 min - 99/1, v/v  
Flow Rate : 0.2 mL/min  
Col. Temp. : 40  $^{\circ}$ C  
Detection : MS/MS (ESI, Negative, MRM)  
Inj. Vol. : 3  $\mu$ L  
Sample : 1. FAD (1.0 mg/L)  
2. FMN (0.1 mg/L)  
3. Riboflavin (1.0 mg/L)



### IM Column



### ステンレスカラム

