

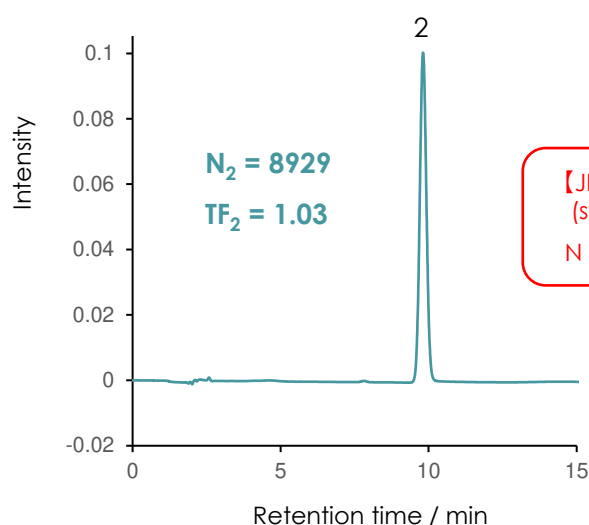
生薬の分析 (3) – シャクヤク 芍薬 –

SunBridge C18 5 μ m, 150 x 4.6 mm i.d.

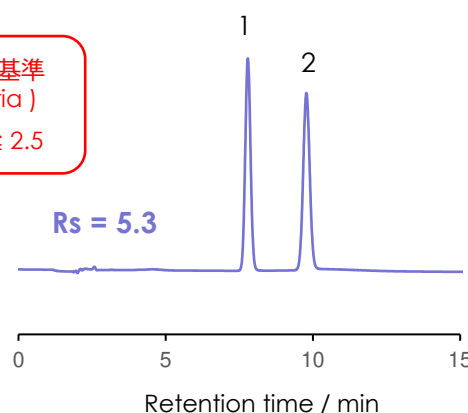
Crude Drugs and Related Drugs (3) - Peony Root -

○標準溶液：ペオニフロリン 0.1 mg/mL
Standard solution: Paeoniflorin (in 20% MeOH*)

N: 理論段数
TF: テーリング係数、シンメトリー係数
Rs: 分離度

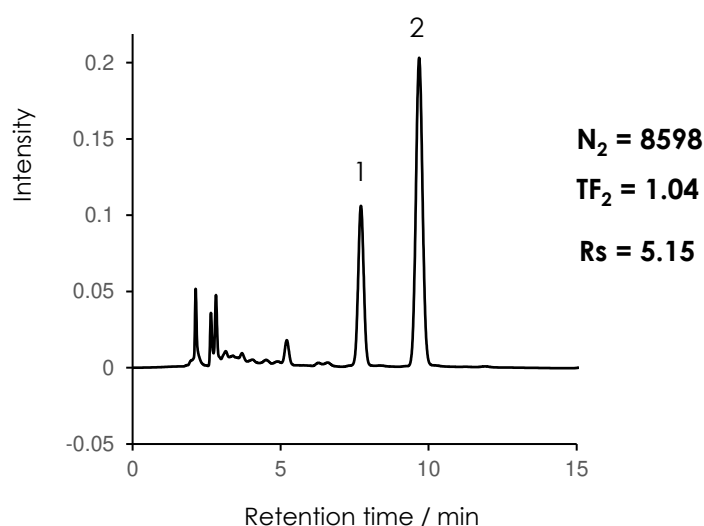


システムの性能
#1,2 各0.1 mg/mL(in 20% MeOH*)

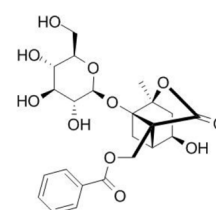


【JP18】システムの適合性基準
(system suitability criteria)
 $N \geq 5000$, $TF \leq 1.5$, $Rs \geq 2.5$

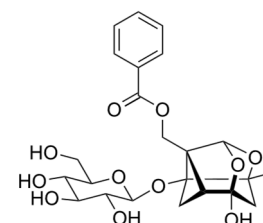
●試料溶液：日局シャクヤク 0.5 g/100 mL
Sample solution: Peony Root (JP) (in 50% MeOH)



1. Albiflorin



2. Paeoniflorin



Column: SunBridge C18 5 μ m , 150 x 4.6 mm
Mobile phase:
Water / Acetonitrile / Phosphate acid = 850 / 150 / 1
Flow rate: 0.850 mL/min (ペオニフロリンの保持時間: 約10分)
Injection volume: 10 μ L, Temperature: 20 $^{\circ}$ C

*試料有機溶媒の比率は、日局と異なる。

Detection: UV@232 nm (PDA)
Instrument: Waters Acquity UPLC H-Class
Sample: 1 = Paeoniflorin, 2 = Albiflorin