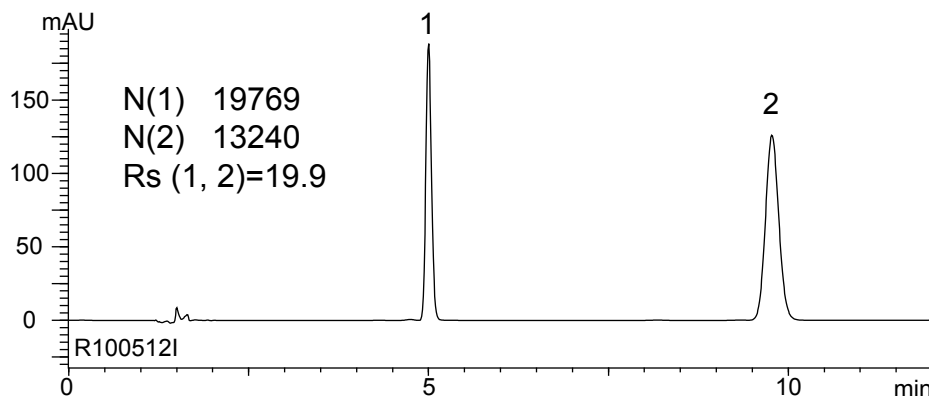


アトルバスタチンカルシウム錠 (日本薬局方収載原案記載条件; 定量法)
- 各種C18カラムとの比較 -

R100521A

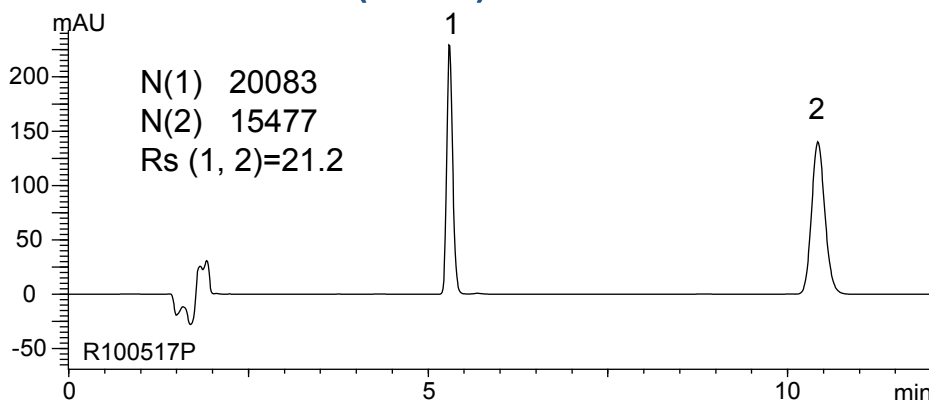
YMC-Pack Pro C18 RS (8 nm)

1. 1,3-Dinitrobenzene (I.S.)
2. Atorvastatin calcium hydrate



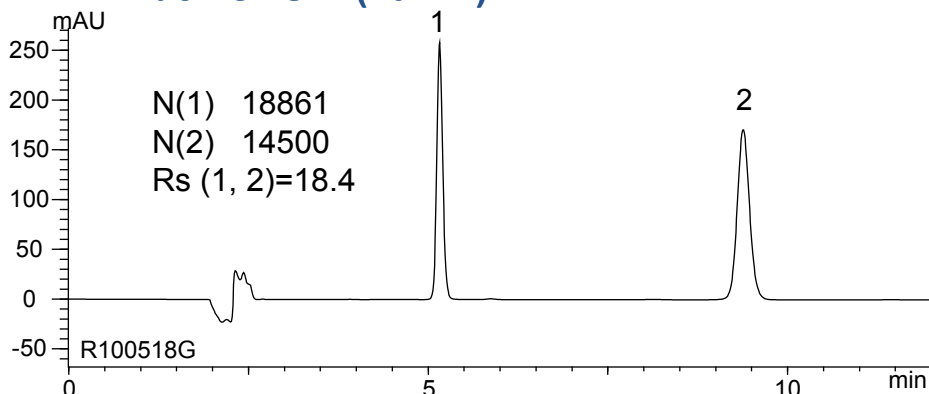
1.6 mL/min
21.3 MPa

YMC-Pack ODS-A (12 nm)



1.5 mL/min
22.2 MPa

YMC-Pack ODS-A (20 nm)



1.3 mL/min
14.0 MPa

低圧で使用可能

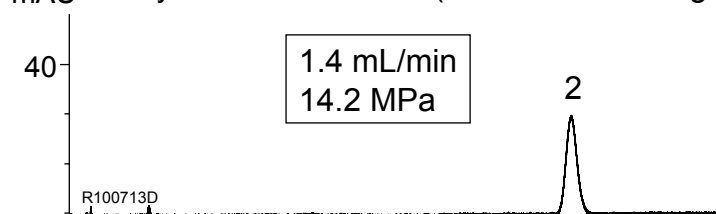
Column : 250 X 4.6 mm I.D. (5 μ m)
Eluent : citric acid buffer*/acetonitrile/THF (53/27/20)
 * Dissolve 10.5 g citric acid monohydrate in 900 mL water
 → adjust pH 4.0 by 28% ammonia → add water to make 1000 mL
Temperature : 30°C
Detection : UV at 244 nm
Injection : 10 μ L (0.04, 0.11 mg/mL)
(日本薬局方収載原案記載条件; 定量法)

アシクロビル(第十五改正日本薬局方第二追補記載条件)

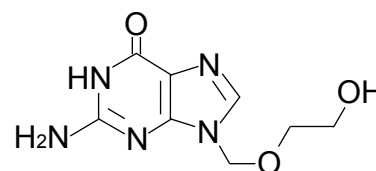
-カラム細孔径の異なるC18カラムとの比較-

R101019A

YMC-Pack ODS-A (30 nm)
mAU Purity standard solution (Guanine 0.005 mg/mL)

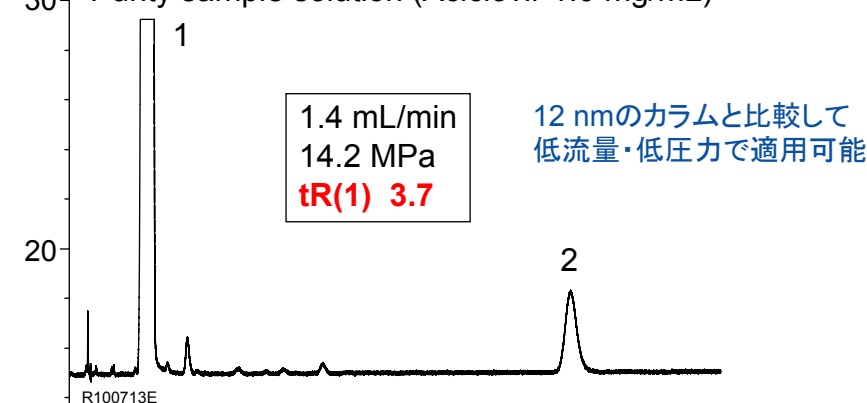


1.

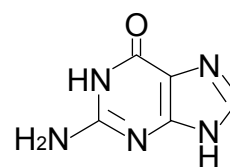


Aciclovir (Acyclovir)

YMC-Pack ODS-A (30 nm)
Purity sample solution (Aciclovir 1.0 mg/mL)

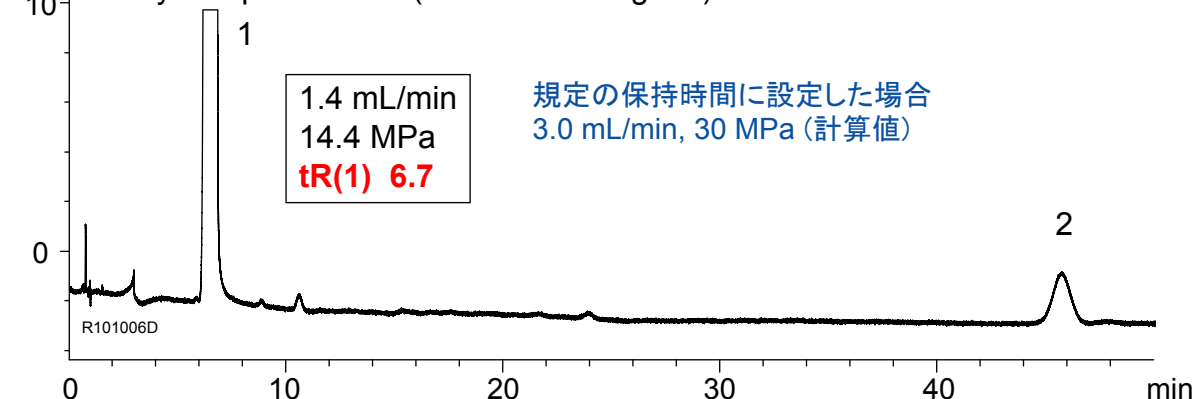


2.



Guanine

YMC-Pack ODS-A (12 nm)
Purity sample solution (Aciclovir 1.0 mg/mL)



Column : 100 X 4.6 mm I.D. (3 μm)
Eluent : phosphate buffer containing 1-decansulfonic acid sodium salt[※]/acetonitrile (1000/40)
Flow rate : **adjust the flow rate so that the retention time of aciclovir is about 3 min**
Temperature : 20°C
Detection : UV at 254 nm
Injection : 10 μL

※1-デカンスルホン酸ナトリウム1.0 g及びリン酸二水素ナトリウム二水和物6.0 gを水1000 mLに溶かし、リン酸を加えてpH 3.0に調整する。