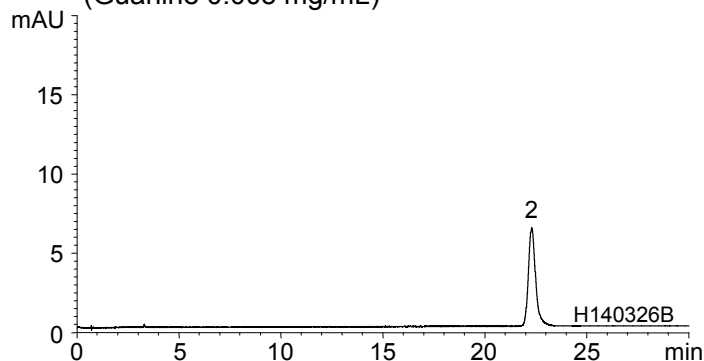


アシクロビル (日本薬局方記載条件)
Aciclovir (The Japanese Pharmacopoeia)

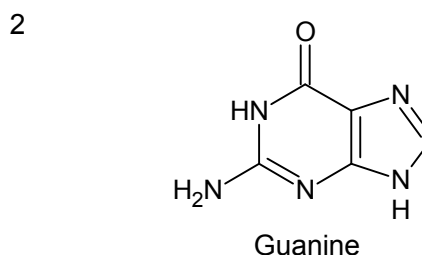
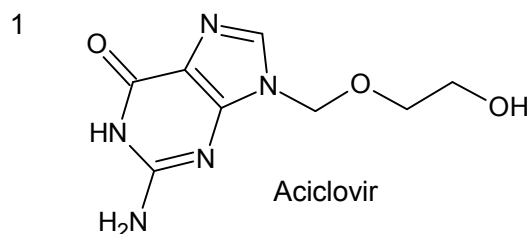
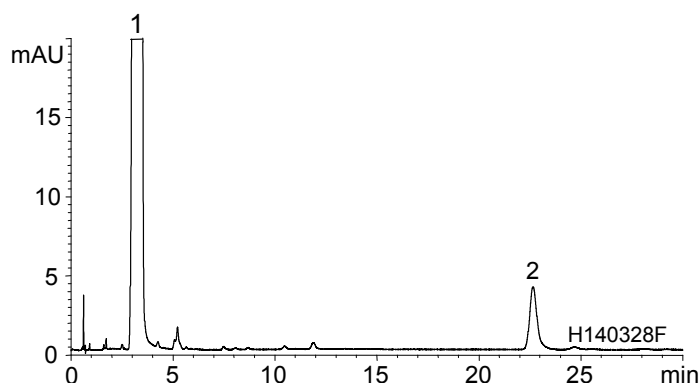
H140429A

(A) Related substances : Standard solution^{*1}
(Guanine 0.005 mg/mL)

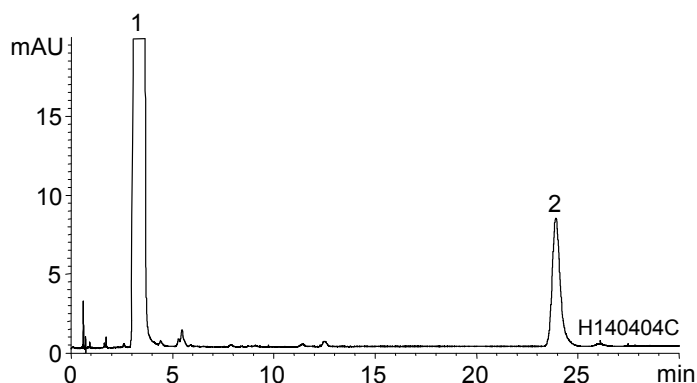


	System suitability requirement	Result
Relative standard deviation of the peak area (Guanine)	≤2.0%	1.87%
Relative standard deviation of the peak area (Aciclovir)	≤1.0%	0.10%
Resolution (1,2)	≥17	42.3

(B) Assay: Standard solution^{*1}
(Aciclovir 1.0 mg/mL)



(C) Assay: System suitability solution^{*1}
(Aciclovir 1.0 mg/mL, Guanine 0.005 mg/mL)



Column : Meteoric Core C18 BIO (2.7 μm, 16 nm)
100 X 4.6 mmI.D.
Eluent : phosphate buffer containing 1-decansulfonic acid sodium salt^{*2}/acetonitrile (1000/40)
^{*2}Dissolve 1.0 g of containing 1-decansulfonic acid sodium salt and 6.0 g of NaH₂PO₄ · 2H₂O in 1000 mL of water, adjust pH 3.0 with H₃PO₄
Flow rate : 1.4 mL/min (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
Pressure : 26.5 MPa (3840 psi)

(The Japanese Pharmacopoeia 16 th; Related substances, Assay)

^{*1} All solutions were prepared from aciclovir and guanine supplied as a reagent for laboratory use.