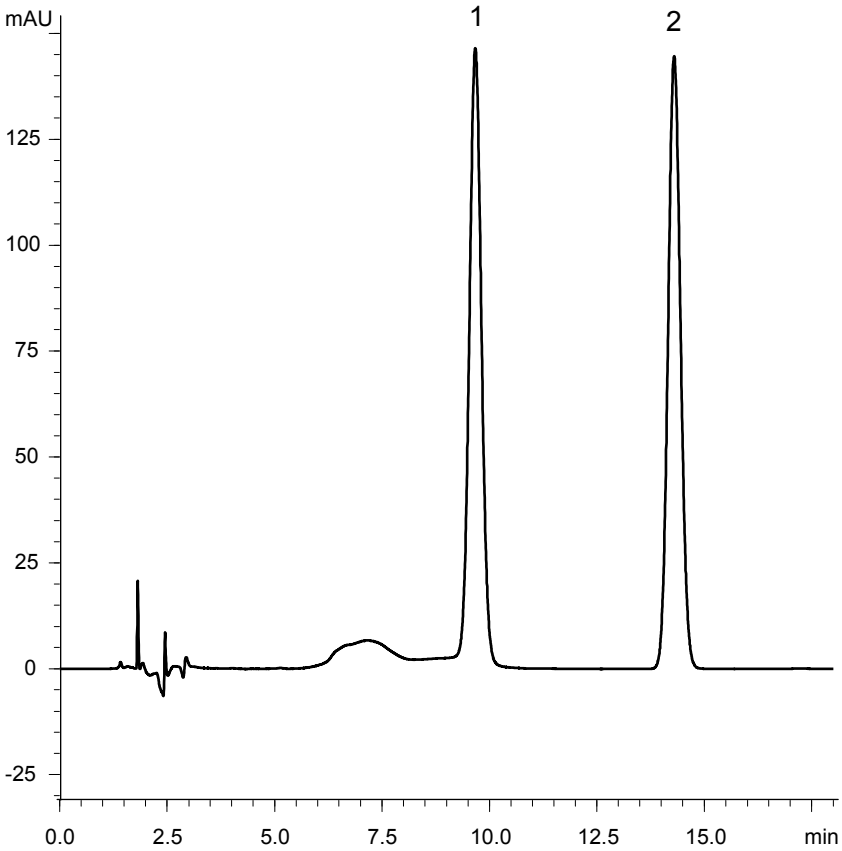
# HPLC DATA SHEET

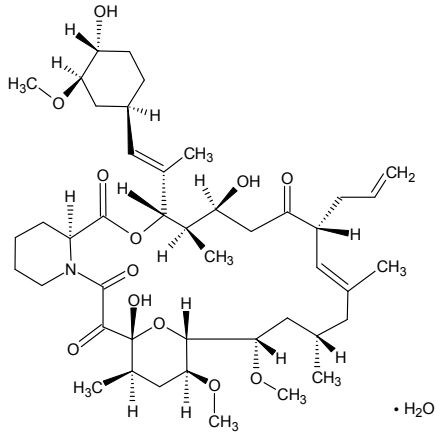
## タクロリムス水和物（日本薬局方記載条件）
## Tacrolimus hydrate (The Japanese Pharmacopoeia)

U120322D

Sample solution*
(0.5 mg/mL Tacrolimus, 0.15 mg/mL Heptyl *p*-hydroxybenzoate)

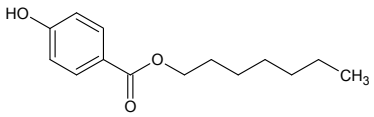



1



Tacrolimus hydrate

2



Heptyl *p*-hydroxybenzoate (I.S.)

| | System suitability requirement | Result |
|---|---|---|
| Resolution (1, 2) | ≧6 | 8.8 |
| Relative standard deviation of the peak area ratio of 1 to 2 | ≦1.0% | 0.93% |

Column : YMC-Triart C18 (5 μm, 12 nm)
150 X 4.6 mmI.D.
Eluent : 2-propanol/THF/water (2/2/5)
Flow rate : 0.7 mL/min *(adjust the flow rate so that the retention time of tacrolimus is about 10 min)*
Temperature : 50℃
Detection : UV at 220 nm
Injection : 10 μL
(The Japanese Pharmacopoeia 16th; Assay)

*Sample solution was prepared from Tacrolimus supplied as a reagent for laboratory use.