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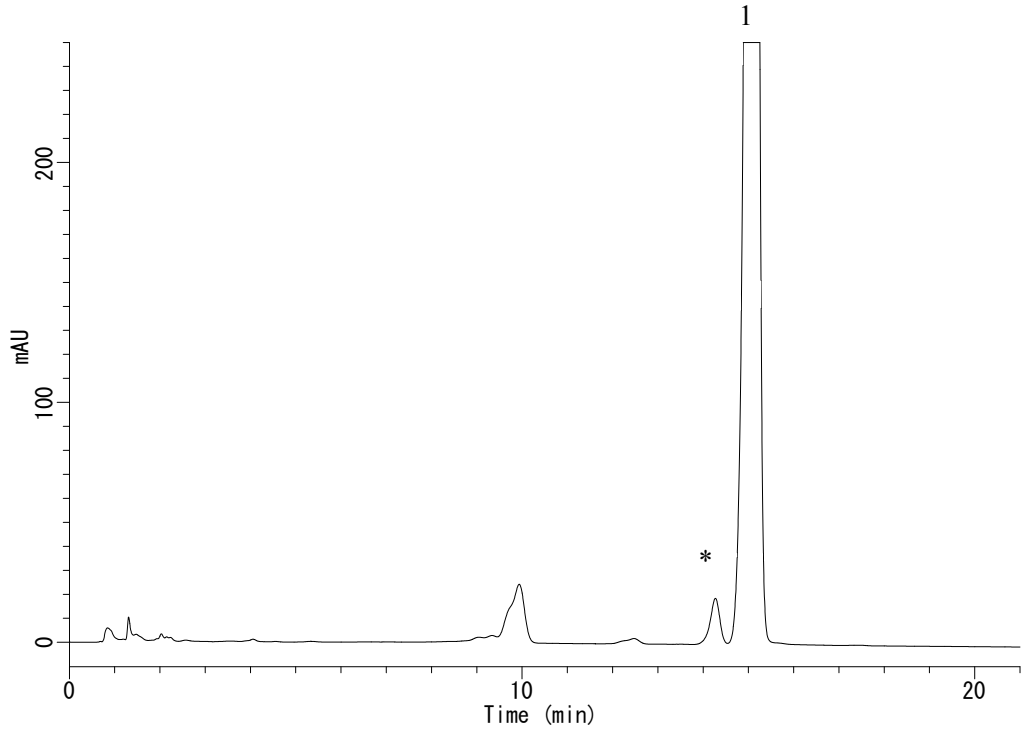
Analysis of Terbinafine HCl (InertSustain C18) (Under the Condition of Japanese Pharmacopoeia)

Data No. LB035-0811



Conditions

System	:	GL-7400 HPLC system
Column	:	InertSustain C18 (5 μm, 150 x 3.0 mm I.D.)
Column Cat. No.	:	5020-07325
Eluent	:	A) (CH_3OH/CH_3CN = 3/2, v/v)/2 % Triethylamine (pH 7.5, 1 M CH_3COOH) = 950/50, v/v B) (CH_3OH/CH_3CN = 3/2, v/v)/2 % Triethylamine (pH 7.5, 1 M CH_3COOH) = 700/300, v/v A/B = 0/100 – 4 min – 0/100 – 21 min – 100/0 - 5 min – 100/0, v/v
Flow rate	:	1.0 mL/min
Col. Temp.	:	40 ℃
Detection	:	UV 280 nm (GL-7452A PDA detector)
Injection Vol.	:	20 μL
Sample	:	Terbinafine HCl (1000 mg/L) in 50 % CH_3CN (exposed to UV light (254 nm) for 1 hour)

Analyte:

1. Terbinafine Hydrochloride
* product of ultraviolet irradiation

Resolution : 2. 19 (> 2 JP16)