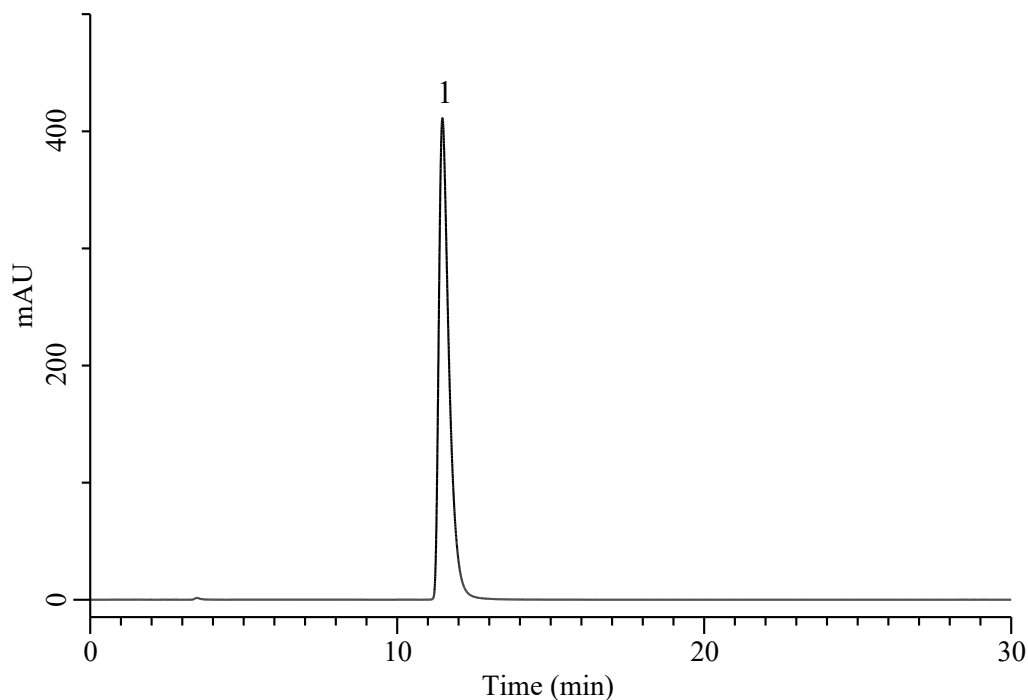


Analysis of Nortriptyline hydrochloride

(Under the Condition of USP NF 2021 Issue 3, Nortriptyline Hydrochloride, ASSAY)



Conditions

System : Chromaster PLUS (HITACHI)
Column : InertSustain C8 (GL Sciences Inc.)
 (5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-16028
Eluent : CH₃OH/Buffer* = 70/30, v/v
Flow Rate : 1.5 mL/min
Col. Temp. : 45 °C (Preheat volume : 1 μ L)
Detection : UV 215 nm (Chromaster 5420 UV-VIS)
Injection Vol. : 10 μ L
Sample : Standard in Eluent

Analyte:

1. Nortriptyline hydrochloride 0.2 mg/mL

 Symmetry factor : 1.76 ($\leq$ 2.0)
 RSD of the peak area (%) (n=6) : 0.12 ($\leq$ 0.73)

* : Dissolve 1.4 g of dibasic sodium phosphate in 1 L of water, and adjust with (H₃PO₄/H₂O = 1/10, v/v) to a pH of 7.7.