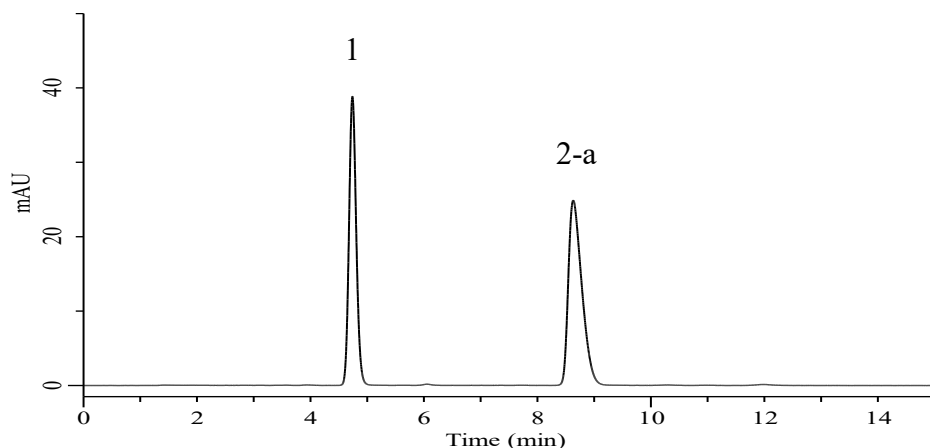
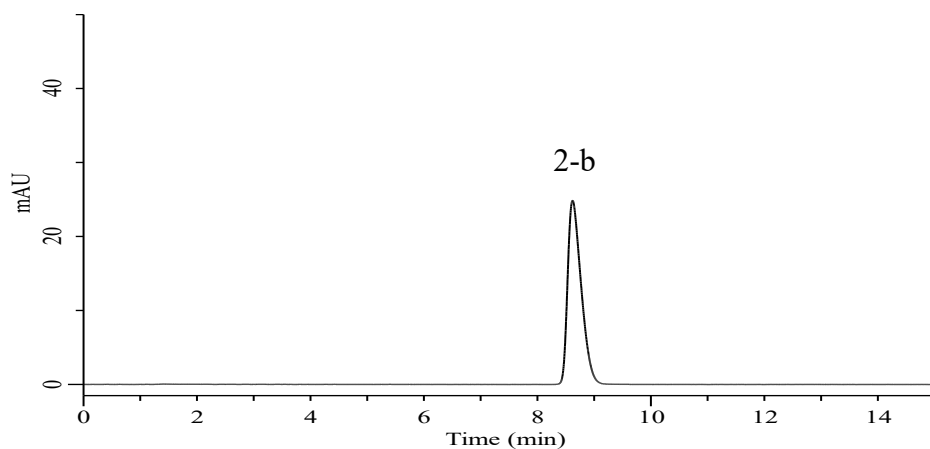


Analysis of Neostigmine methylsulfate

(Under the Condition the the Japanese Pharmacopoeia 19th, Neostigmine Methylsulfate, ASSAY)



System performance



Standard solution

Conditions

System : Chromaster PLUS (HITACHI)
Column : InertSustain C18 (GL Sciences Inc.)
 (5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-07345
Eluent : Solution*
Flow Rate : 1.0 mL/min
Col. Temp. : 25 $^{\circ}$ C
Detection : UV 259 nm (Chromaster 5420 UV-VIS)
Injection Vol. : 10 μ L
Sample : Standard in Eluent

Analyte:

1. 3-(Dimethylamino)phenol 80 μ g/mL
 2-a,2-b. Neostigmine methylsulfate 500 μ g/mL

Resolution (1, 2-a) : 11.64 (\geq 6)

RSD of
 the peak area (2-b)(%)(n=6) : 0.14 (\leq 1.0)

*: Dissolve 3.12 g of sodium dihydrogenphosphate dihydrate in 1000 mL of water, adjust to pH 3.0 with phosphoric acid, and add 0.871 g of sodium 1-pentanesulfonate to dissolve. To 890 mL of this solution add 110 mL of acetonitrile.