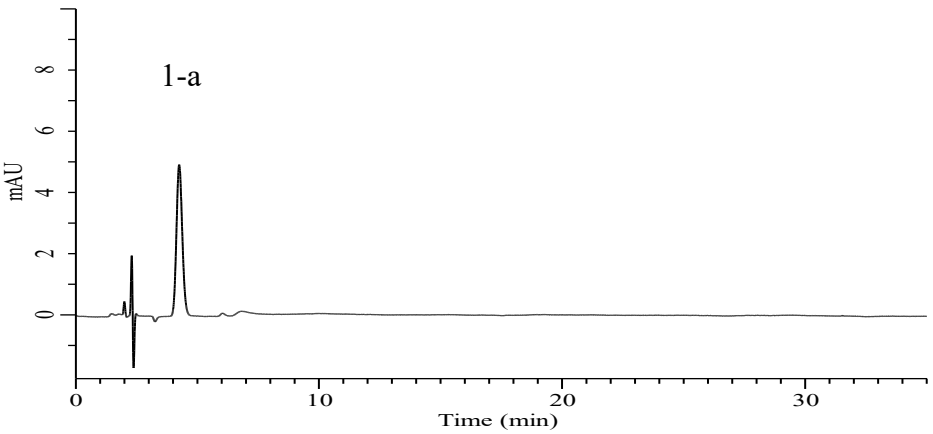
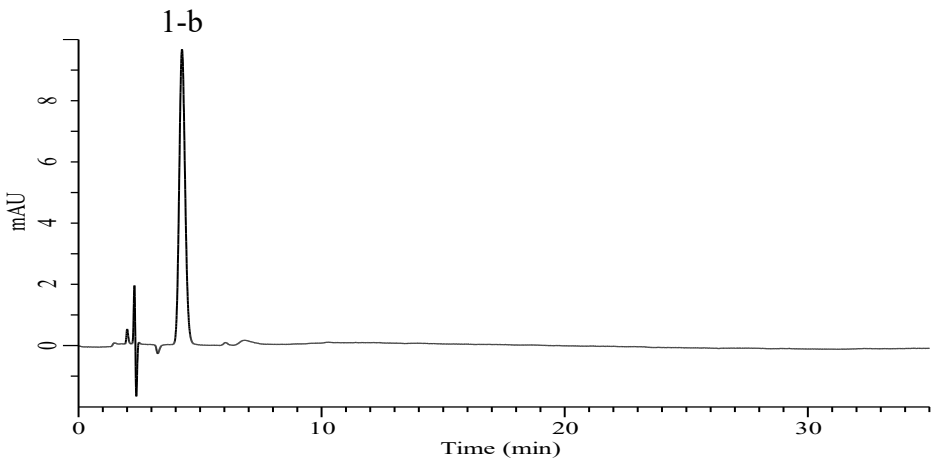
Analysis of Edaravone

(Under the Condition of draft for USP PF52(5), Edaravone, ORGANIC IMPURITIES , Procedure 1)



Sensitivity solution



Standard solution

Conditions

System	:	Primaide (HITACHI)
Column	:	InertSustain C18 (GL Sciences Inc.) (5 µm, 150 x 4.6 mm I.D.)
Column Cat. No.	:	5020-07345
Eluent	:	$CH_3OH/H_2O/CH_3COOH$=50/50/0.5, v/v/v
Flow Rate	:	0.8 mL/min
Col. Temp.	:	40 °C
Detection	:	UV 240 nm (Primaide 1410 UV)
Injection Vol.	:	50 µL
Sample	:	Standard in Eluent

Analyte:

1-a. Edaravone	0.3 µg/mL
1-b. Edaravone	0.6 µg/mL

Signal-to-noise ratio : 41.4 (≧ 10)

RSD of
the peak area (%)(n=6) : 0.39 (≦ 5.0)