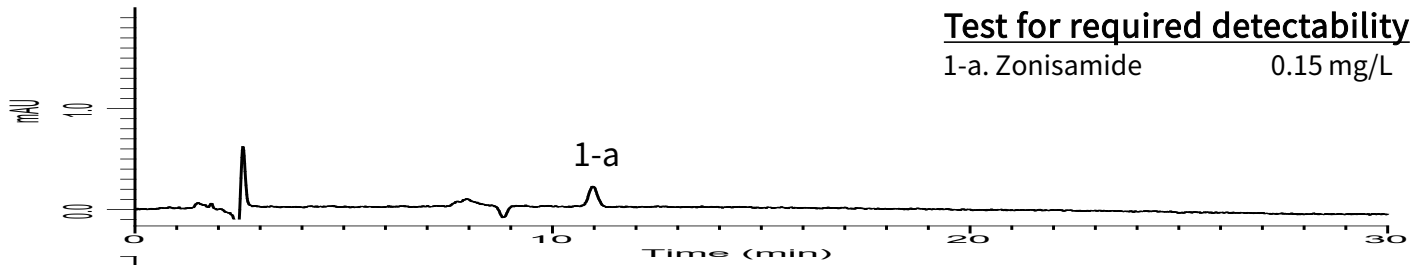


Analysis of Zonisamide

Data No. LB427-0894

Test for required detectability

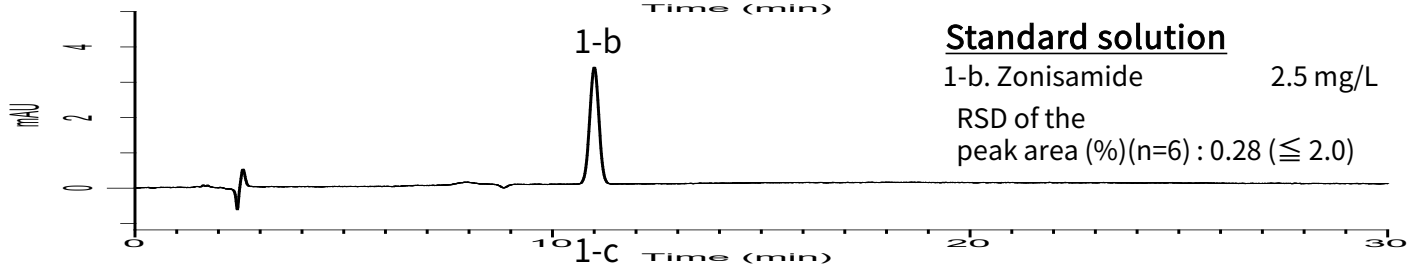
1-a. Zonisamide 0.15 mg/L



Standard solution

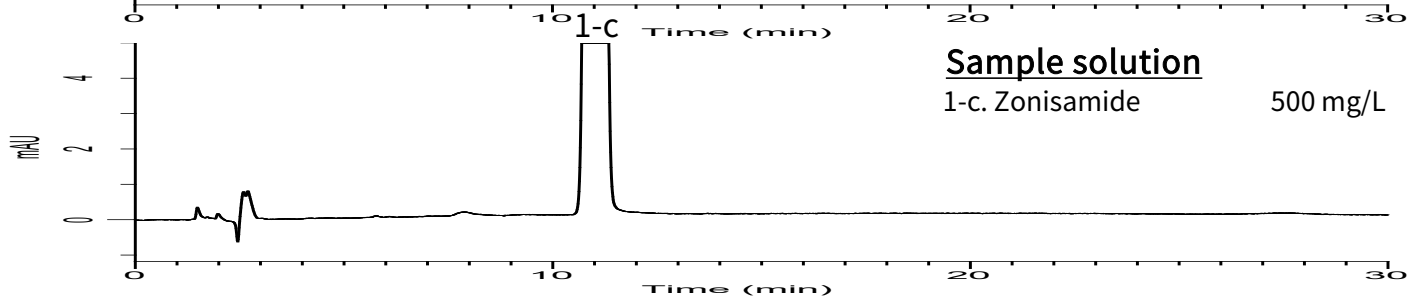
1-b. Zonisamide 2.5 mg/L

RSD of the peak area (%) (n=6) : 0.28 (≤ 2.0)



Sample solution

1-c. Zonisamide 500 mg/L



Conditions

System : GL7700 HPLC system
Column : InertSustain AQ-C18
(5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-89730
Eluent : A) THF
B) H₂O
A/B = 1/5, v/v
Flow Rate : 0.95 mL/min
Col. Temp. : 40 °C
Detection : UV 239 nm (PD7752 PDA Detector)
Injection Vol. : 10 μ L
Sample : Standard

Analyte:

1. Zonisamide

The peak area ratio of 1-a to 1-b (%) : (4.2 \leq) 5.51 (\leq 7.8)
Theoretical plate number (1-b) : 11,432 (\geq 8,000)