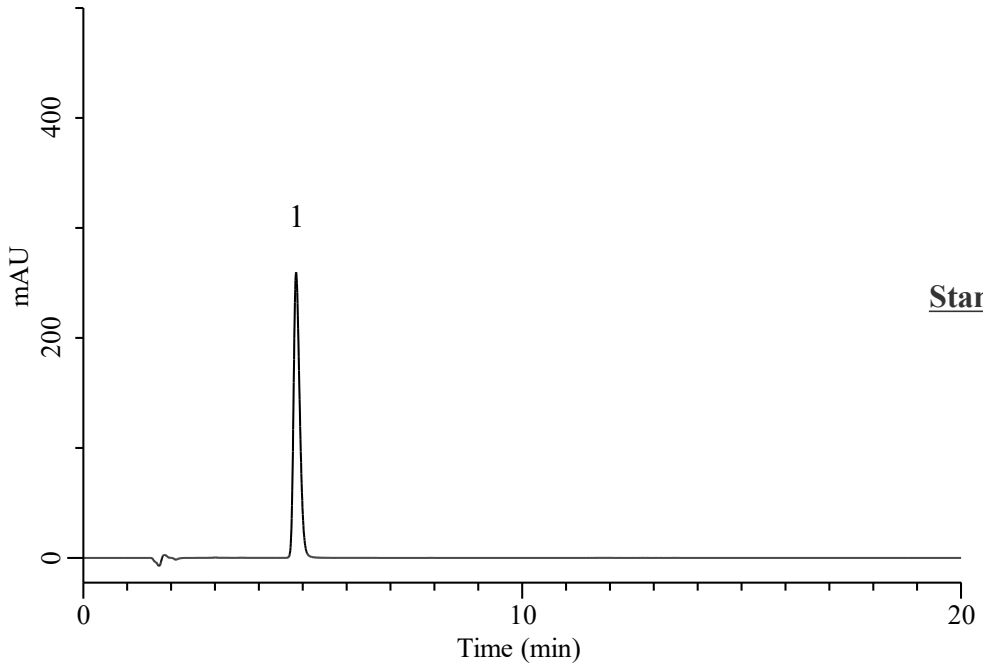
Analysis of Loperamide hydrochloride

(Under the Condition of draft for USP PF52(4), Loperamide Hydrochloride, ASSAY)
(Under the Condition of draft for USP PF52(4), Loperamide Hydrochloride Tablets, ASSAY)



Standard solution

Conditions

System	:	Primaide (HITACHI)
Column	:	Inertsil Hybrid-C18 (GL Sciences Inc.) (5 µm, 150 x 4.6 mm I.D.)
Column Cat. No.	:	5020-76016
Eluent	:	CH_3OH/Solution*=62/38, v/v
Flow Rate	:	1.0 mL/min
Autosampler	:	6 ℃
Col. Temp.	:	45 ℃
Detection	:	UV 226 nm (Primaide 1435 DAD)
Injection Vol.	:	10 µL
Sample	:	Standard in CH_3CN/H_2O=50/50 , v/v

Analyte:

1. Loperamide hydrochloride 0.2 mg/mL

Tailing factor : (0.8 ≦) 1.35 (≦ 1.8)

RSD of
the peak area (%)(n=6) : 0.16
(Loperamide Hydrochloride : ≦ 0.73)
(Loperamide Hydrochloride Tablets : ≦ 1.0)

* : Add 2 mL of trifluoroacetic acid and 3 mL of triethylamine to 1000 mL of water.