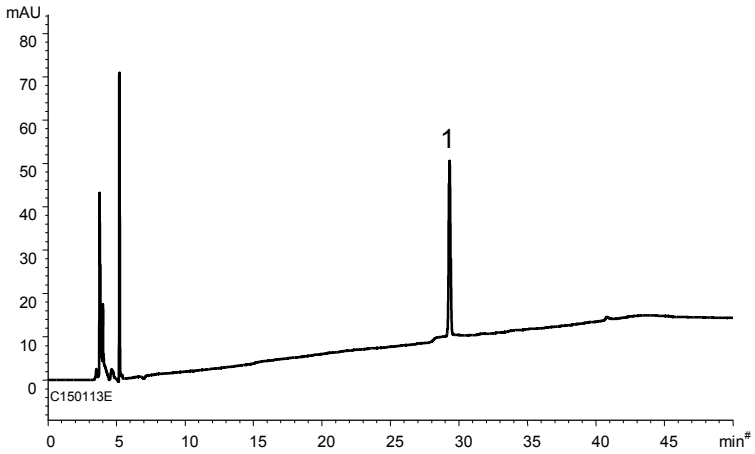
HPLC DATA SHEET

ランソプラゾール（日本薬局方収載原案記載条件）
Lansoprazole (The draft for the Japanese Pharmacopoeia)

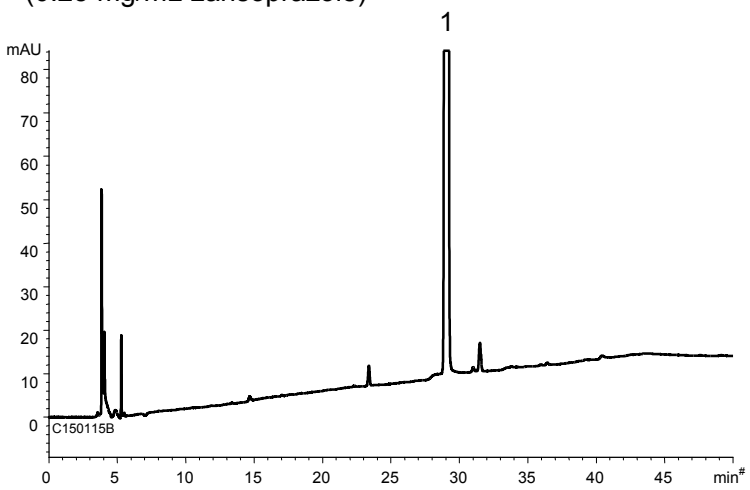
C150304A

(A) Standard solution[*1]
(0.0025 mg/mL Lansoprazole)



	System suitability requirement	Result
Theoretical plate number (Lansoprazole)	≧150000	221000
Tailing factor (Lansoprazole)	≦1.5	1.03
Relative standard deviation of the peak area (n=6) (Lansoprazole)	≦3.0%	0.06%
Peak area ratio of test solution for required detectability (0.125 μg/mL) to standard solution (Lansoprazole)	4-6%	5.0%

(B) Sample solution[*1]
(0.25 mg/mL Lansoprazole)



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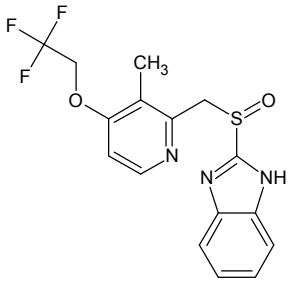

Lansoprazole

Column	: YMC-Triart C18 (5 μm, 12 nm) 150 X 4.6 mmI.D.
Eluent	: A) water B) acetonitrile/water/TEA[*2] (160/40/1) *adjusted to pH 7.0 with phosphoric acid* 10-80%B (0-40 min), 80%B (40-50 min)
Flow rate	: 0.65 mL/min *(adjust the flow rate so that the retention time of Lansoprazole is about 29 min)*
Temperature	: 25℃
Detection	: UV at 285 nm
Injection	: 40 μL

(The draft for the Japanese Pharmacopoeia; Related substances)

[*1] All standard and sample solutions were prepared from Lansoprazole supplied as a reagent for laboratory use.

[*2] triethylamine