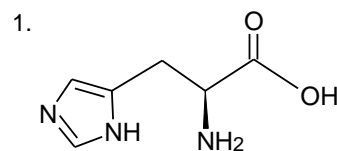
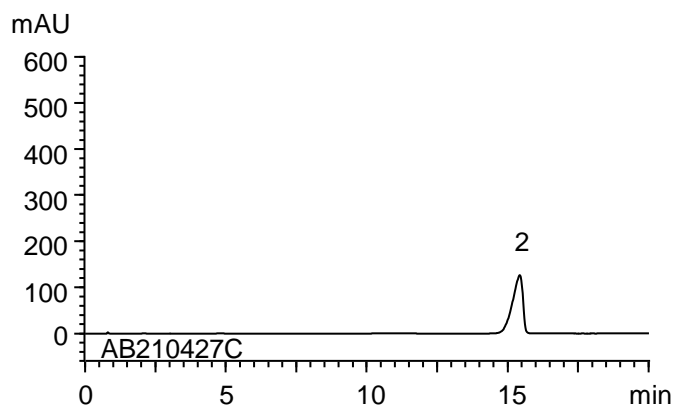


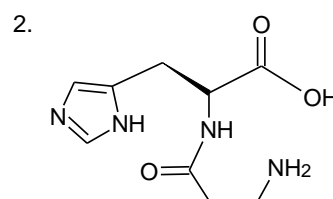
ポラプレジンク (日本薬局方記載条件)  
Polaprezinc (The Japanese Pharmacopoeia)

AB210510A

(A) Standard solution\*2 (0.2 mg/mL L-Carnosine)

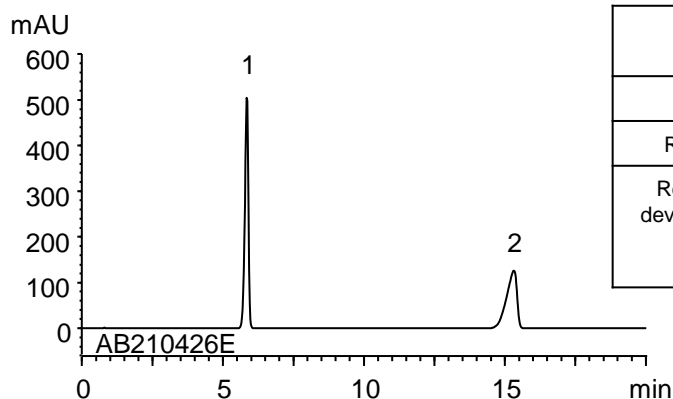


L-Histidine



L-Carnosine

(B) System performance test solution\*2  
(0.25 mg/mL L-Histidine, 0.2 mg/mL L-Carnosine)



	System suitability requirement	Result
Elution order	1, 2	1, 2
Resolution (1,2)	$\geq 12$	19
Relative standard deviation of the peak area (n=6) (L-Carnosine)	$\leq 1.0\%$	0.2%

Column : YMC-Triart C18 (5  $\mu\text{m}$ , 12 nm)  
150 X 4.6 mm I.D.

Eluent : phosphate buffer (pH 3.5)\*1 containing 2.22 g/L sodium 1-octanesulfonate /acetonitrile (90/10)

\*1 Dissolve 1.4 g of  $\text{KH}_2\text{PO}_4$  in 1000 mL of water, adjust pH 3.5 with 1%  $\text{H}_3\text{PO}_4$ .

Flow rate : 1.35 mL/min (adjust the flow rate so that the retention time of L-Carnosine is about 15 min)

Temperature : 45°C

Detection : UV at 210 nm

Injection : 10  $\mu\text{L}$

(The Japanese Pharmacopoeia 17th 2nd supplement; Assay (1) Polaprezinc)

\*2 All system performance test and standard solutions were prepared from L-Carnosine supplied as a reagent for laboratory use.

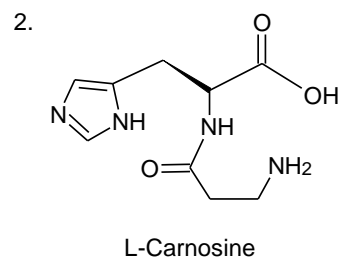
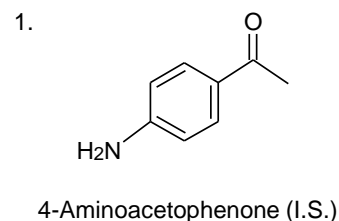
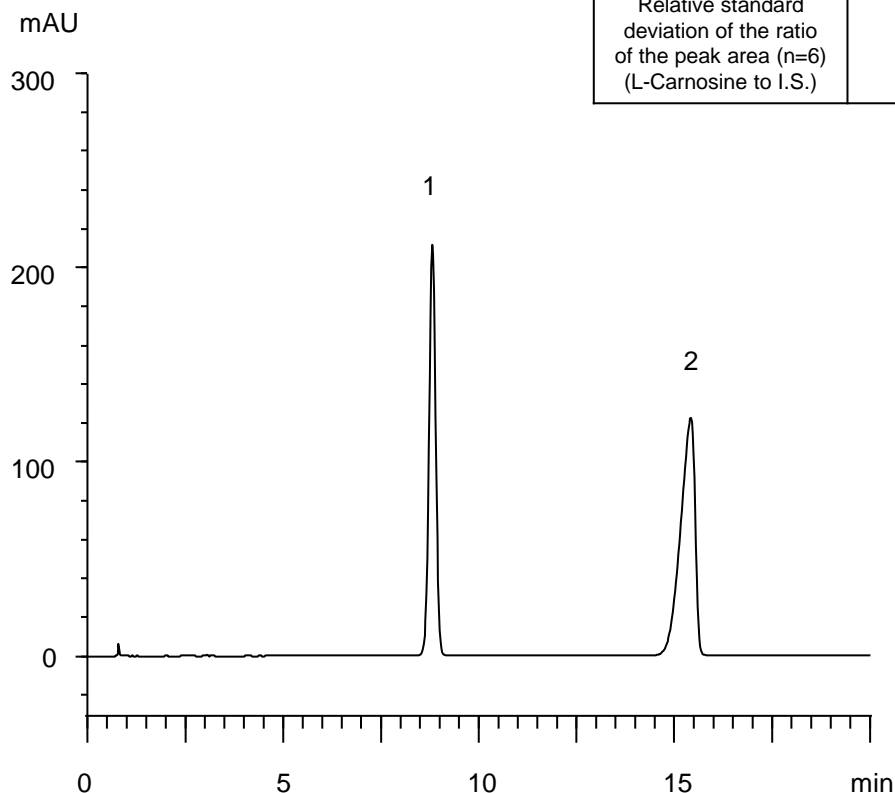
ポラプレジンク顆粒 (日本薬局方記載条件)

Polaprezinc Granules (The Japanese Pharmacopoeia)

AB210427A

Standard solution\*2  
(0.25 mg/mL 4-Aminoacetophenone,  
0.4 mg/mL L-Carnosine)

	System suitability requirement	Result
Elution order	1, 2	1, 2
Resolution (1,2)	$\geq 6$	12
Relative standard deviation of the ratio of the peak area (n=6) (L-Carnosine to I.S.)	$\leq 1.0\%$	0.1%



Column : YMC-Triart C18 (5  $\mu$ m, 12 nm)  
150 X 4.6 mm I.D.

Eluent : phosphate buffer (pH 3.5)\*1 containing 2.22 g/L sodium 1-octanesulfonate /acetonitrile (90/10)

\*1 Dissolve 1.4 g of  $\text{KH}_2\text{PO}_4$  in 1000 mL of water, adjust pH 3.5 with 1%  $\text{H}_3\text{PO}_4$ .

Flow rate : 1.35 mL/min (adjust the flow rate so that the retention time of L-Carnosine is about 15 min)

Temperature : 45°C

Detection : UV at 210 nm

Injection : 5  $\mu$ L

(The Japanese Pharmacopoeia 17th 2nd supplement; Assay)

\*2 Standard solution was prepared from L-Carnosine supplied as a reagent for laboratory use.