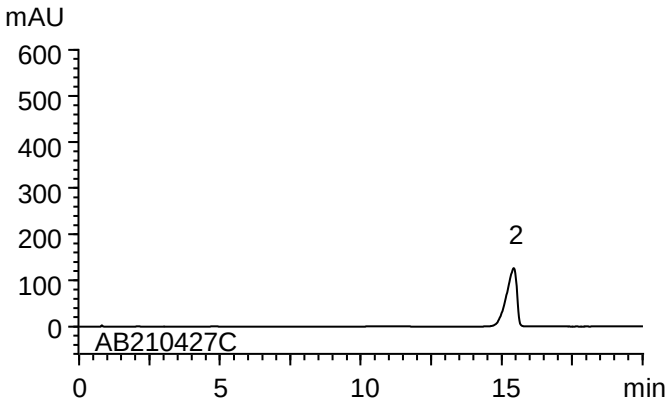
HPLC DATA SHEET

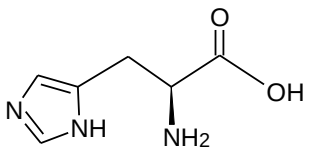
ポラプレジンク （日本薬局方記載条件）
Polaprezinc (The Japanese Pharmacopoeia)

AB210510A

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

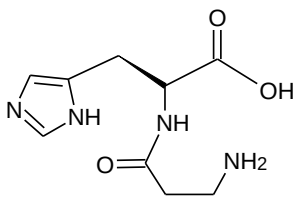


1.



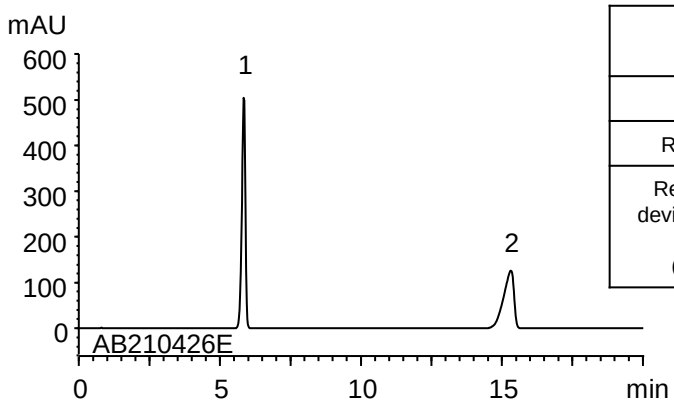
L-Histidine

2.



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)	≧12	19
Relative standard deviation of the peak area (n=6) (L-Carnosine)	≦1.0%	0.2%

Column	: YMC-Triart C18 (5 µm, 12 nm) 150 X 4.6 mmI.D.
Eluent	: phosphate buffer (pH 3.5)*1 containing 2.22 g/L sodium 1-octanesulfonate /acetonitrile (90/10)
	**1Dissolve 1.4 g of KH_2PO_4 in 1000 mL of water, adjust pH 3.5 with 1% H_3PO_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℃
Detection	: UV at 210 nm
Injection	: 10 µL

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

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