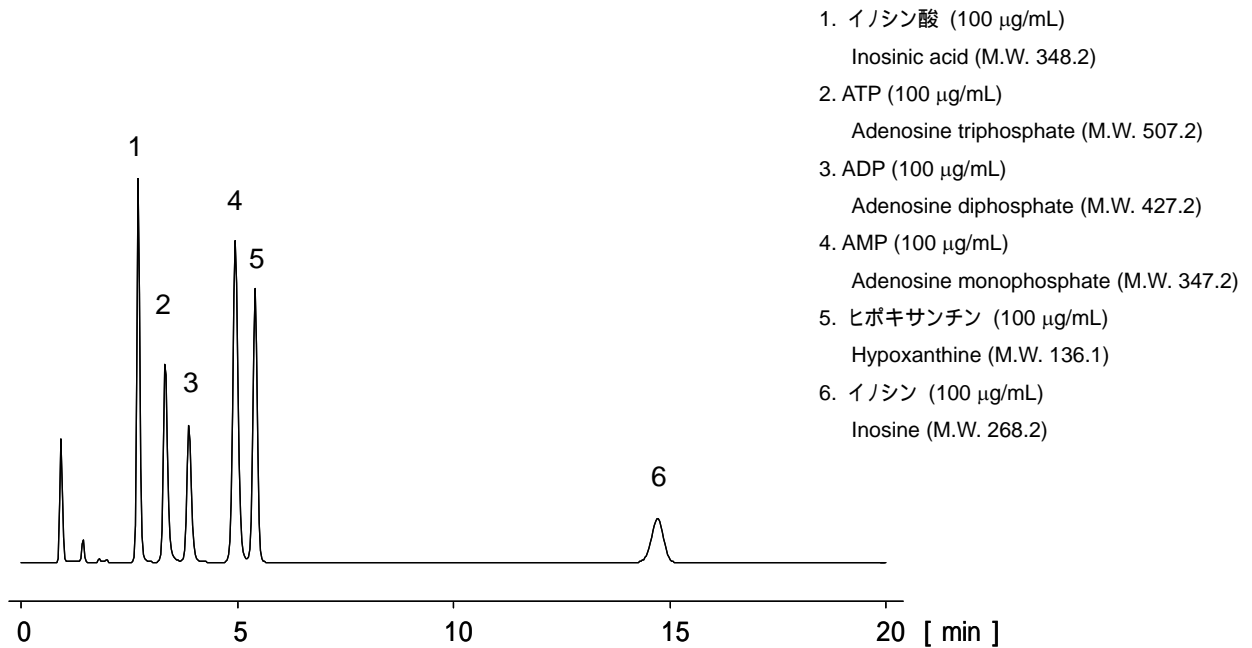


核酸関連化合物

Nucleotide-related substances

これら核酸関連化合物は、鮮度判定に用いられます。

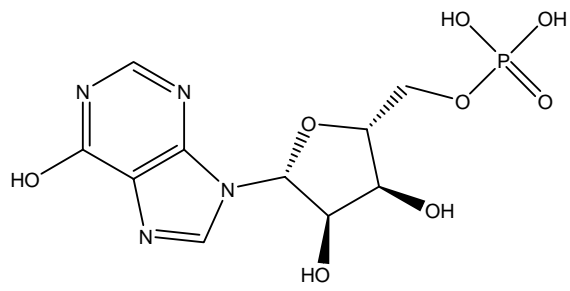
These nucleotide-related substances are used to measure the freshness of food.



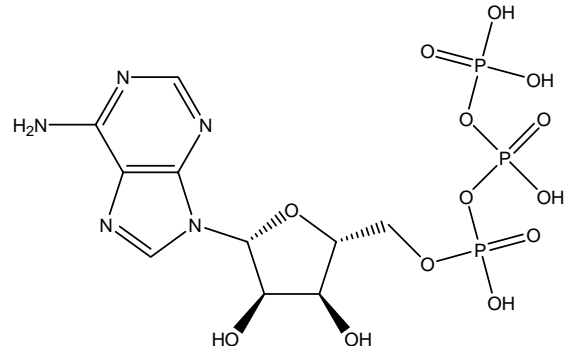
[HPLC Conditions]

Column	: CAPCELL PAK C ₁₈ AQ S5 ; 4.6 mm i.d. x 150 mm
Mobile phase	: 50 mmol/L Phosphate buffer (KH ₂ PO ₄ : K ₂ HPO ₄ = 1 : 1 in molar ratio)
Flow rate	: 1 mL/min
Temperature	: 40 °C
Detection	: UV 260 nm
Inj. vol.	: 5 µL
Sample dissolved in	: Each compound was separately dissolved in 1 vol% phosphoric acid at 1 mg/mL. The same volume of each solution was mixed together, and diluted to 100 µg/mL with the mobile phase.

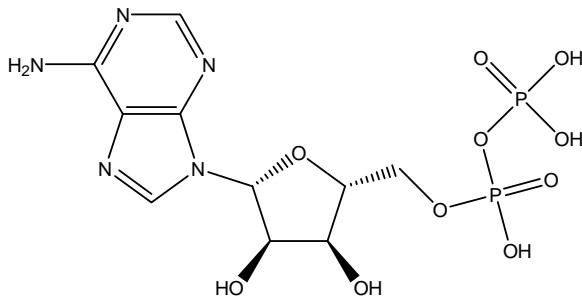
1 µg/mL = 1 ppm



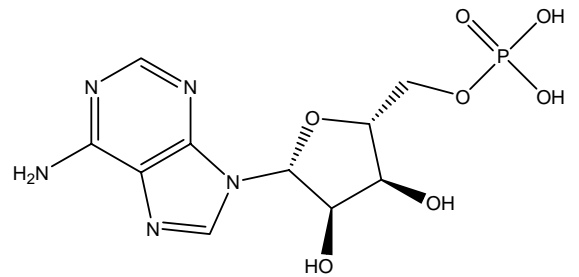
1 . Inosinic acid



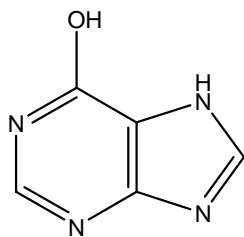
2 . Adenosine triphosphate



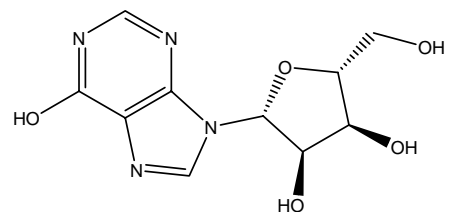
3 . Adenosine diphosphate



4 . Adenosine monophosphate



5 . Hypoxanthine



6 . Inosine