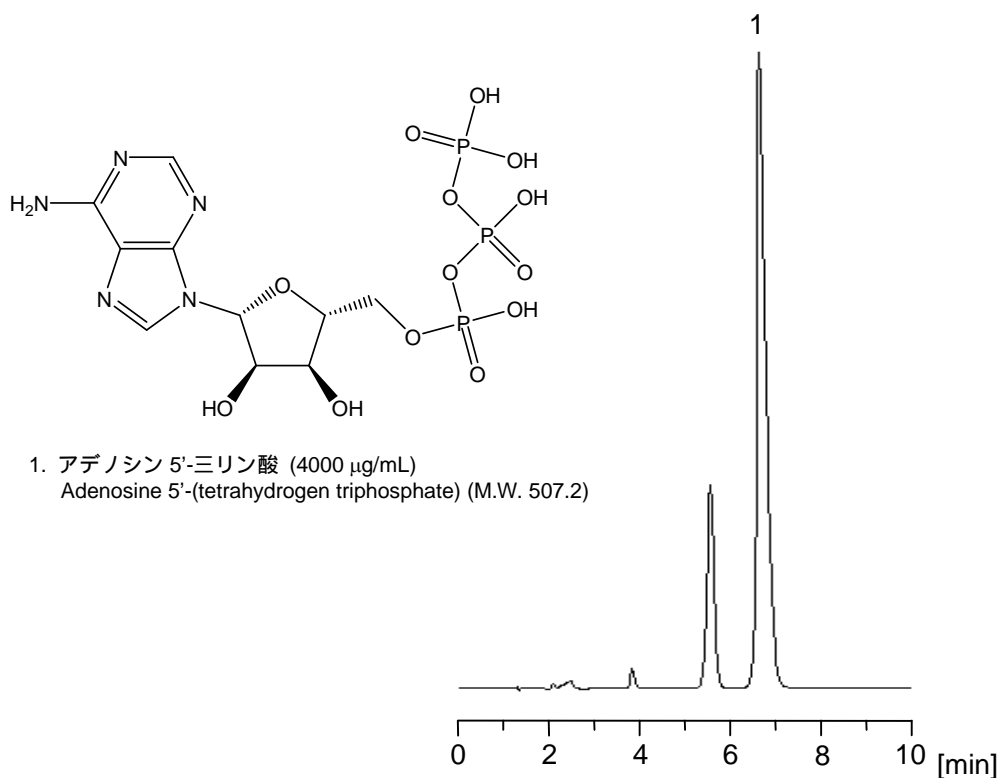


## アデノシン 5'-三リン酸 Adenosine 5'-(tetrahydrogen triphosphate)

ヌクレオチドのひとつ、アデノシン 5'-三リン酸 (ATP) を中国薬典 2010 版に記載された条件に従い CAPCELL PAK C<sub>18</sub> MG S5 (4.6 mm i.d. x 150 mm) を用いて分析した例を示します。ATP は良好なピーク形状で保持されました。

Adenosine 5'-(tetrahydrogen triphosphate) (ATP), one of the nucleotides, was analyzed according to the method described in The Chinese Pharmacopoeia 2010, with CAPCELL PAK C<sub>18</sub> MG S5 (4.6 mm i.d. x 150 mm). ATP was adequately retained with a nice peak shape.



### 【HPLC Conditions】

Column : CAPCELL PAK C<sub>18</sub> MG S5 ; 4.6 mm i.d. x 150 mm  
Mobile phase : 250 mmol/L Na<sub>2</sub>HPO<sub>4</sub>, 100 mmol/L KH<sub>2</sub>PO<sub>4</sub>, 5 mmol/L Tetrabutylammonium bromide (adjusted at pH7.0 with 1 mol/L NaOH) / CH<sub>3</sub>OH = 95 / 5  
Flow rate : 1 mL/min  
Temperature : 35 °C  
Detection : UV 259 nm  
Inj. vol. : 10 μL  
Sample dissolved in : Mobile phase  
1 μg/mL = 1 ppm