

## 製剤中塩酸エピナスチン

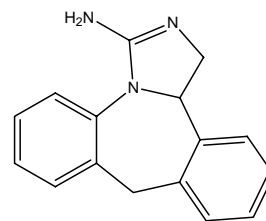
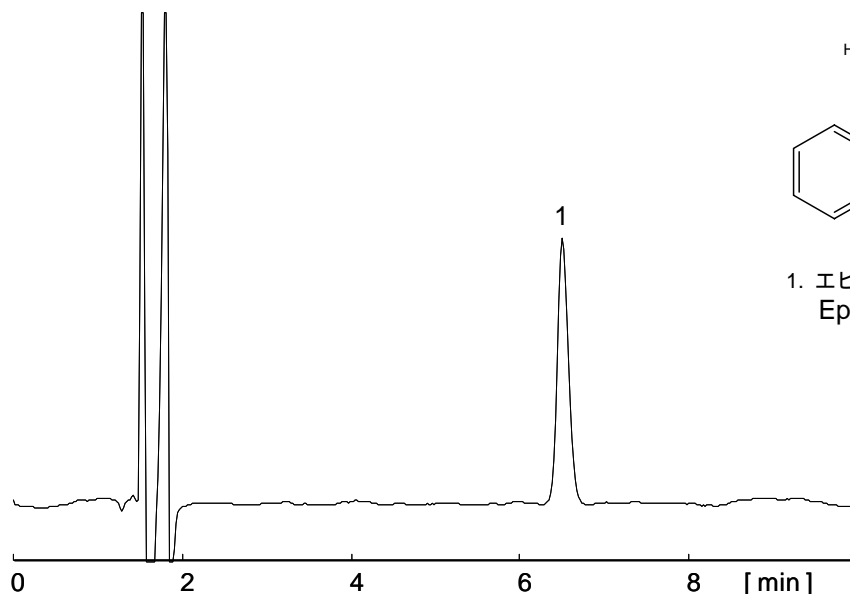
## Epinastine Hydrochloride

塩酸エピナスチンは、鼻水やじんま疹などの各種アレルギー症状を改善するために配合される薬剤です。また本薬剤は、第二世代抗ヒスタミン薬に属し、マレイン酸クロルフェニラミンなどの第一世代ヒスタミン薬と比較して、眠気などの副作用が抑制されています。

エピナスチンは pKa が 11.4 と大変塩基性が強い薬物ですが、CAPCELL PAK C18 MG III を用いて、良好なピーク形状を得ることができます。

Epinastine hydrochloride is often formulated to alleviate various allergic symptoms, such as runniness and urticaria. The second-generation antihistamine shows less side effects, such as sleepiness, in comparison with first-generation ones (ex. chlorpheniramine maleate).

Although it is strongly basic (pKa 11.4), epinastine can be efficiently separated with CAPCELL PAK C18 MG III, showing a good peak shape.



1. エピナスチン  
Epinastine (M.W. 249.3)

### 【HPLC Conditions】

Column	: CAPCELL PAK C <sub>18</sub> MGIII S5 ; 2.0 mm i.d. x 150 mm
Mobile phase	: 0.1 vol% HCOOH, 10 mmol/L HCOONH <sub>4</sub> , H <sub>2</sub> O / CH <sub>3</sub> CN = 75 / 25
Flow rate	: 200 μL/min
Temperature	: 40 °C
Detection	: UV 235 nm
Inj. vol.	: 1 μL
Sample dissolved in	: The content of the capsule was in a mortar with a pestle. 4.45 mg of the round scutellaria was dissolved in 10 mL of the water and sonicated for five minutes. After centrifugation (1500 rpm, 30 sec), the supernatant was filtered with a 0.45-μm filter and introduced to HPLC.

※ 1 μg/mL = 1 ppm