

# SHINWA EXPRESS

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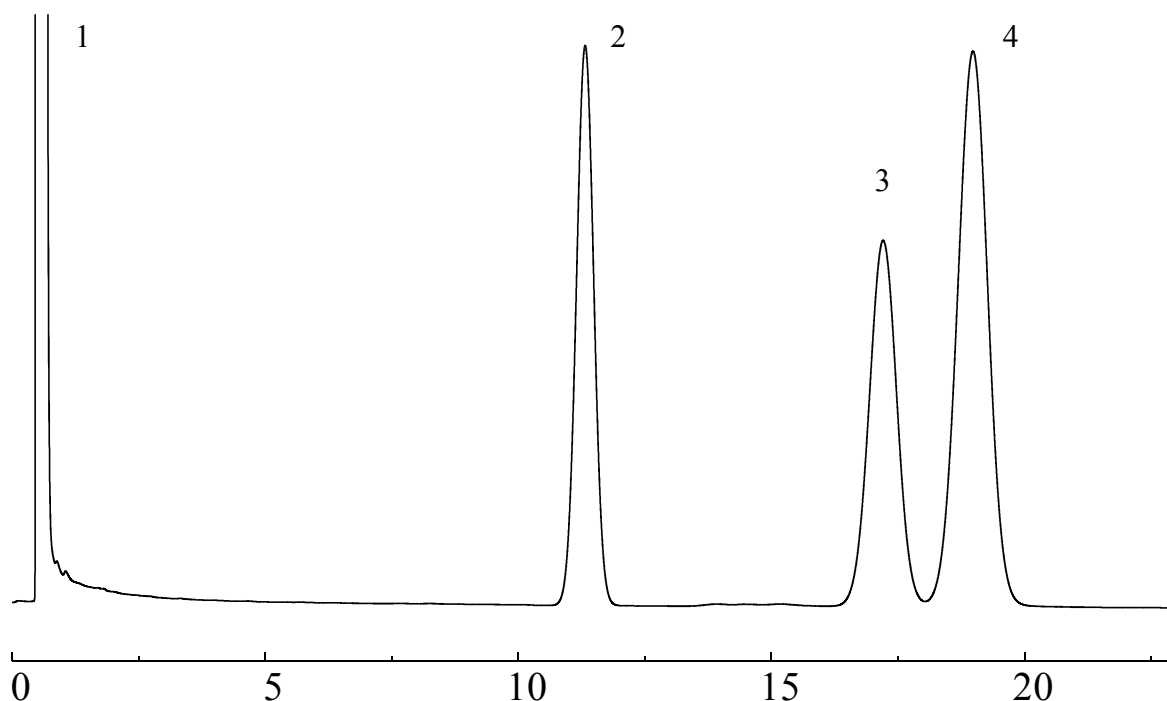
## Analysis of teprenone using Shinwasorb

Teprenone is used as protective factor for peptic ulcer.

Shown below is an example of teprenone using a column packed with a Shinwasorb packing material.

FFAP 5% Shinwasorb-U 80/100

1. Ethyl acetate
  2. di-n-butyl phthalate
  3. Teprenone (mono-cis isomer)
  4. Teprenone (all-trans isomer)
- The resolution between the mono-cis and all trans-isomers of teprenone: 1.69



Column: 2.1 m x 3.2 mm I.D. Glass  
Sample: Teprenone  
Column temp.: 235°C  
Injection port temp.: 270°C

Sample volume: 2.0 µL  
Carrier gas: 47 mL/min N<sub>2</sub>  
Detector: FID 270°C

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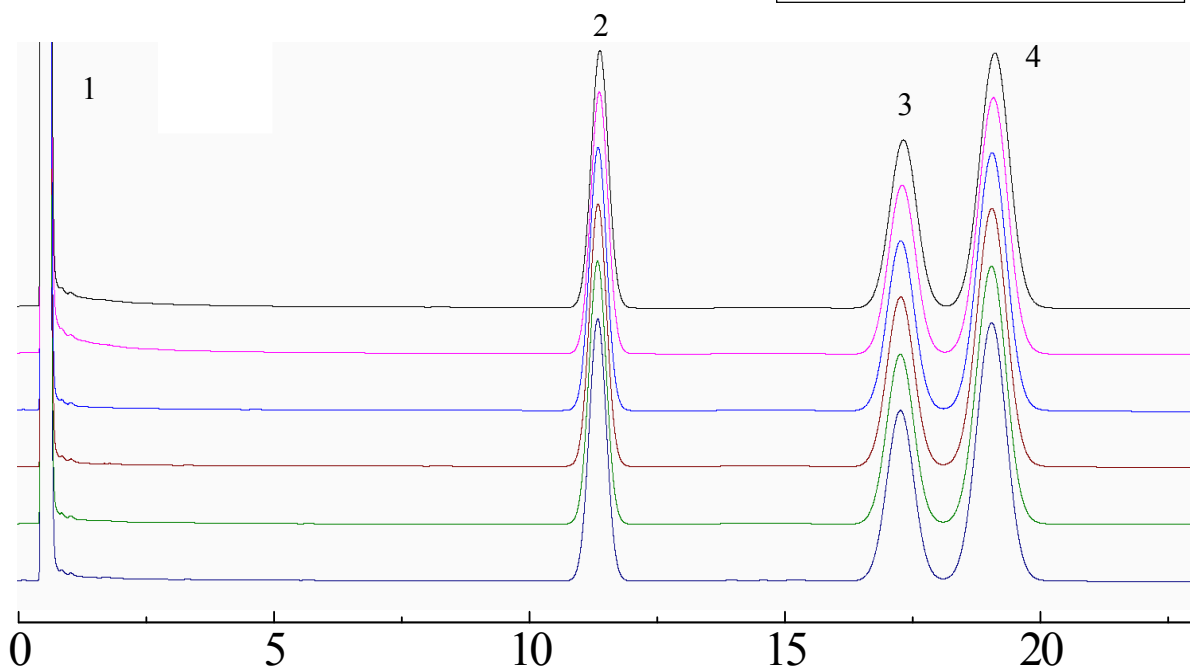
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**FFAP 5% Shinwasorb-U 80/100**

1. Ethyl acetate
2. di-n-butyl phthalate
3. Teprenone (mono-cis isomer)
4. Teprenone (all-trans isomer)

**System suitability**

Column performance: The resolution between the mono-cis and all-trans isomers of teprenone is 1.69  
(The resolution not less than 1.1 is acceptable.)

Column performance: relative standard deviation for rate of peak area is 0.39%  
(The relative standard deviation of the ratio of the sum of the peak areas not more than 1.0% is acceptable.)

Column: 2.1 m x 3.2 mm I.D. Glass

Sample: Teprenone

Column temp.: 235°C

Injection port temp.: 270°C

Sample volume: 2.0 µL

Carrier gas: 47 mL/min N<sub>2</sub>

Detector: FID 270°C

### ■ Packing material specifications and price ■

Product name	Weight	Price
FFAP 5% Shinwasorb-U 80/100	25 g	24,400 JPY

### ■ Packed column specifications and price ■

Product name	Column material	Dimensions	Price
FFAP 5% Shinwasorb-U 80/100	Glass (For GC-2014 systems)	2.1 m x 3.2 mm I.D.	64,000 JPY

Prices for stainless columns other than for Shimadzu GC systems will differ from that shown above. The prices shown above are accurate as of March 24th, 2016. Please contact us for pricing.

Please feel free to contact us with questions related to analyses.

Please be aware that specifications and prices are subject to change without prior notification.