

SHINWA EXPRESS

Application

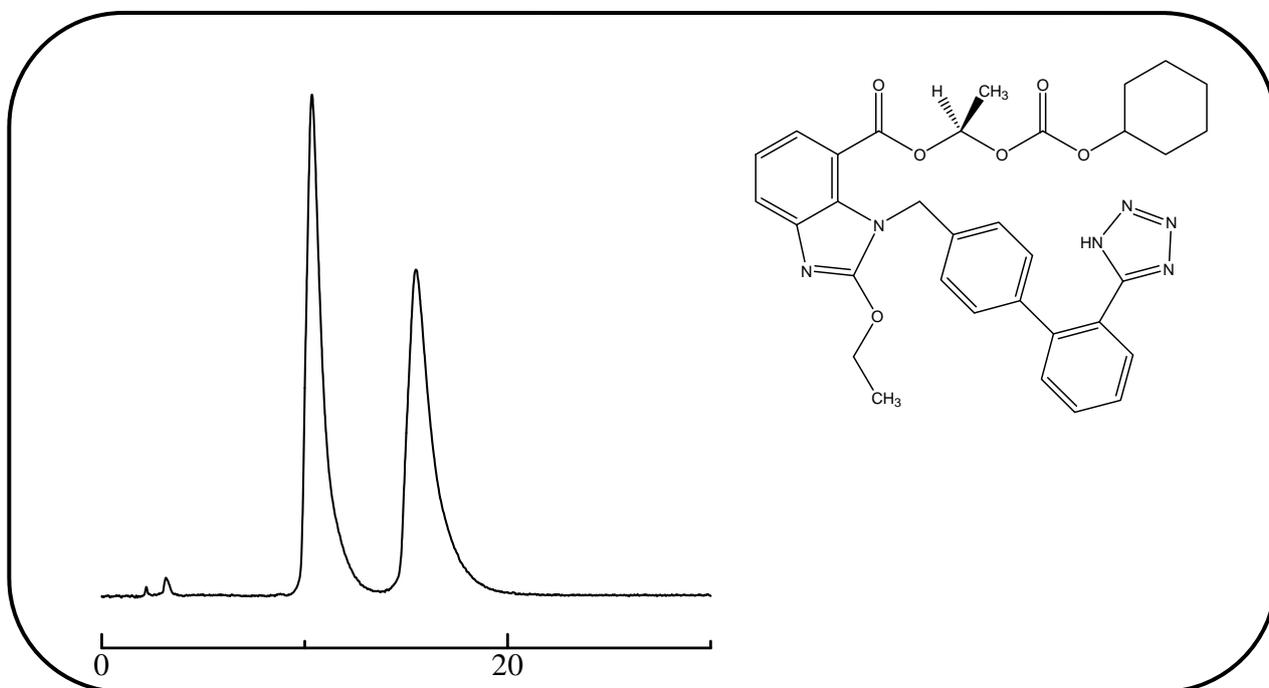
2013
J u n e

VOL. 10

Analysis of candesartan cilexetil using the ULTRON ES-OVM

Shown below is a reversed-phase analysis of the angiotensin II receptor antagonist "candesartan cilexetil", which is sold worldwide as a hypertension medication, performed using the ULTRON ES-OVM.

Candesartan cilexetil (angiotensin II receptor antagonist)



Column: ULTRON ES-OVM (5 μ m)
Column size: 150 mm L \times 4.6 mm I.D.
Mobile phase: 20 mM $\text{KH}_2\text{PO}_4/\text{CH}_3\text{CN} = 75/25$
Flow rate: 1.0 mL/min.

Column temp.: 25°C
Detection: UV-254 nm
Sample: Candesartan cilexetil 200 mg/L
(Dissolved in methanol, 12 mg of candesartan cilexetil contained in one candesartan cilexetil tablet)
Injection vol.: 2 μ L

● Features of the ULTRON ES-OVM

1. Designed specifically for separations of chiral compounds.
2. Employs a highly denaturation resistant protein (ovomucoid) ligand.
3. Displays a wide range of chiral recognition.
4. No sample pretreatment required for chiral separations.
5. Can be used for reversed-phase analyses.
6. Trace analyses possible (several nanograms).



SHINWA CHEMICAL INDUSTRIES LTD.

50-2 Kagekatsu-cho, Fushimi-ku
Kyoto 612-8307 Japan
TEL: +81-75-621-2360 FAX: +81-75-602-2660
E-mail: info@shinwa-cpc.co.jp
Website: <http://shinwa-cpc.co.jp/en/>

■ Analytical column specifications ■

Product name	Particle size (µm)	Column dimensions Length × I.D. (mm)
ULTRON ES-OVM	5	150 × 2.0
ULTRON ES-OVM	5	150 × 4.6
ULTRON ES-OVM	5	150 × 6.0
ULTRON ES-OVM-C	5	150 × 4.6
ULTRON ES-OVM	10	250 × 4.6
ULTRON ES-OVM Prep (preparative)	10	250 × 20.0

■ Guard column specifications ■

Product name	Particle size (µm)	Column dimensions Length × I.D. (mm)
ULTRON ES-OVM.G	5	10 × 4.0
ULTRON ES-OVM Prep.G (preparative guard column)	10	15 × 8.0
ULTRON ES-OVM (guard cartridges (x 2))	5	5 × 2.0
Guard cartridge holder (with adaptor)	For 5 × 2.0 mm columns	
ULTRON ES-OVM (guard cartridges (x 2))	5	10 × 4.6
Guard cartridge holder (with adaptor)	For 10 × 4.6 mm columns	

● Protecting columns using guard columns

By using guard columns together with analytical columns, analytical columns can be protected from contamination, enabling longer column lifetimes. The use of guard columns is particularly recommended when analyzing samples containing large amounts of impurities.

Guard cartridges are also available when guard columns are changed frequently.

Please use guard columns with the same or smaller inner diameter than that of the analytical column being used.

● ULTRON ES-OVM-C (new product)

Clopidogrel bisulfate evaluation conditions based on USP standards employed for shipping inspections.

(Performance reports included with columns.)



Please feel free to contact us with questions related to analyses. Demonstration columns are also available.

Please be aware that specifications and prices are subject to change without prior notification due to the implementation of improvements.