

SHINWA EXPRESS

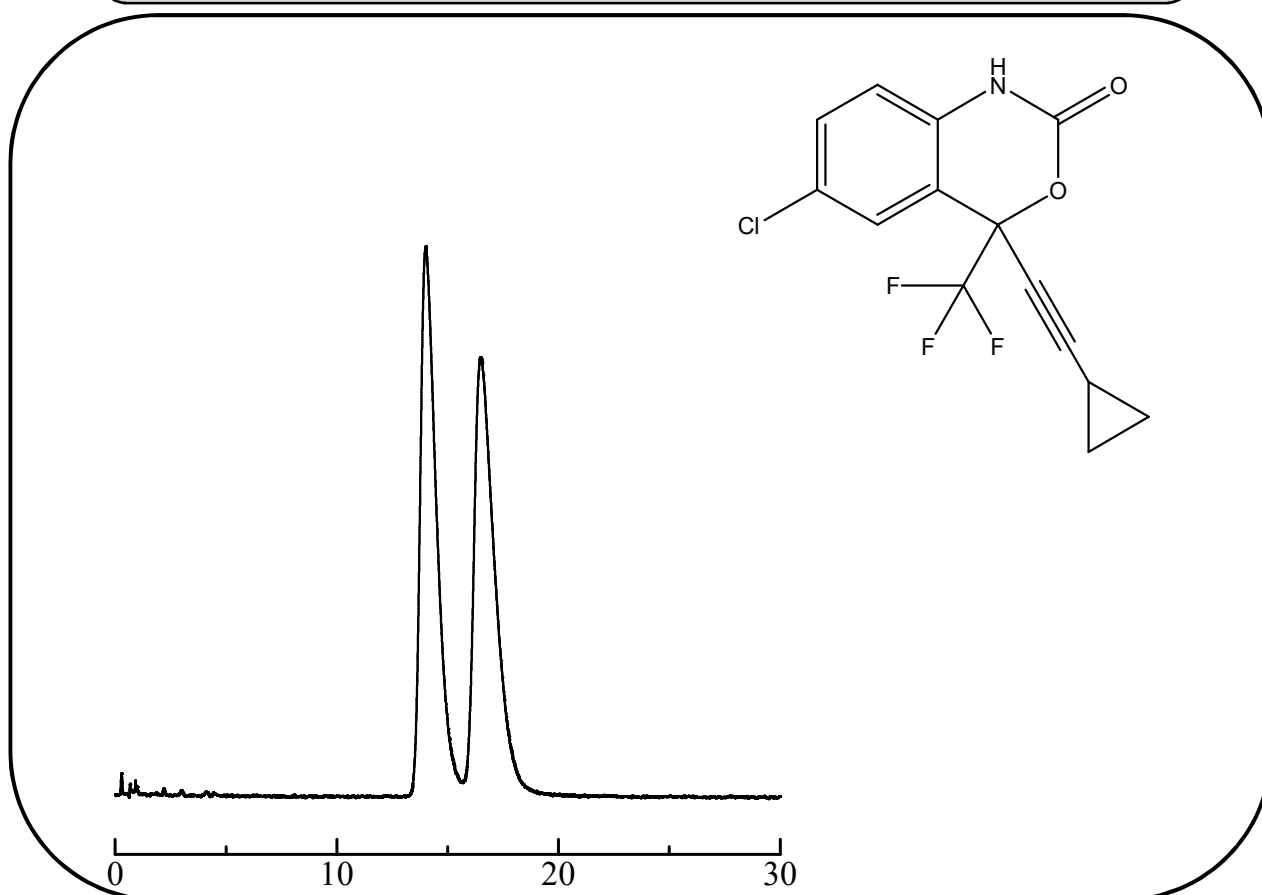
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Analysis of efavirenz using the ULTRON ES-OVM-3

Efavirenz is a non-nucleoside reverse transcriptase inhibitor and is used to suppress the growth of HIV. Shown below is a reversed-phase analysis of efavirenz performed using the ULTRON ES-OVM-3.

Efavirenz (non-nucleoside reverse transcriptase inhibitor)



Column: ULTRON ES-OVM-3 (3 μ m)
Column size: 100 mm L x 3.0 mm I.D.
Mobile phase: 20 mM KH_2PO_4 (pH 4.6)/ CH_3CN = 90/10
Flow rate: 1.0 mL/min

Column temp.: 25°C
Detection: UV-250 nm
Sample: 200 mg/L (in diluent)
Injection vol.: 0.5 μ L

Features of the ULTRON ES-OVM-3 (compared to the 5 μ m column)

- Employs a 3 μ m packing material for higher peak resolution and theoretical plate numbers.
- Enables significant reductions in analysis times while maintaining high theoretical plate numbers.
- Maximum operating pressure of 30 MPa.
- Can be used in LC/MS systems as well.
- Enables further improvements in performance with optimization of LC system tubing and flow cells.
- 9 column length and inner diameter combinations available.

ULTRON ES-OVM-3 line-up

Application	Semi-micro LC	Semi-micro LC Conventional LC	Conventional LC
Column dimensions Length \times I.D. (mm)	50 \times 2.1	50 \times 3.0	50 \times 4.6
	100 \times 2.1	100 \times 3.0	100 \times 4.6
	150 \times 2.1	150 \times 3.0	150 \times 4.6



Please feel free to contact us with questions related to analyses.
Column screening services are also available.

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