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LC Products

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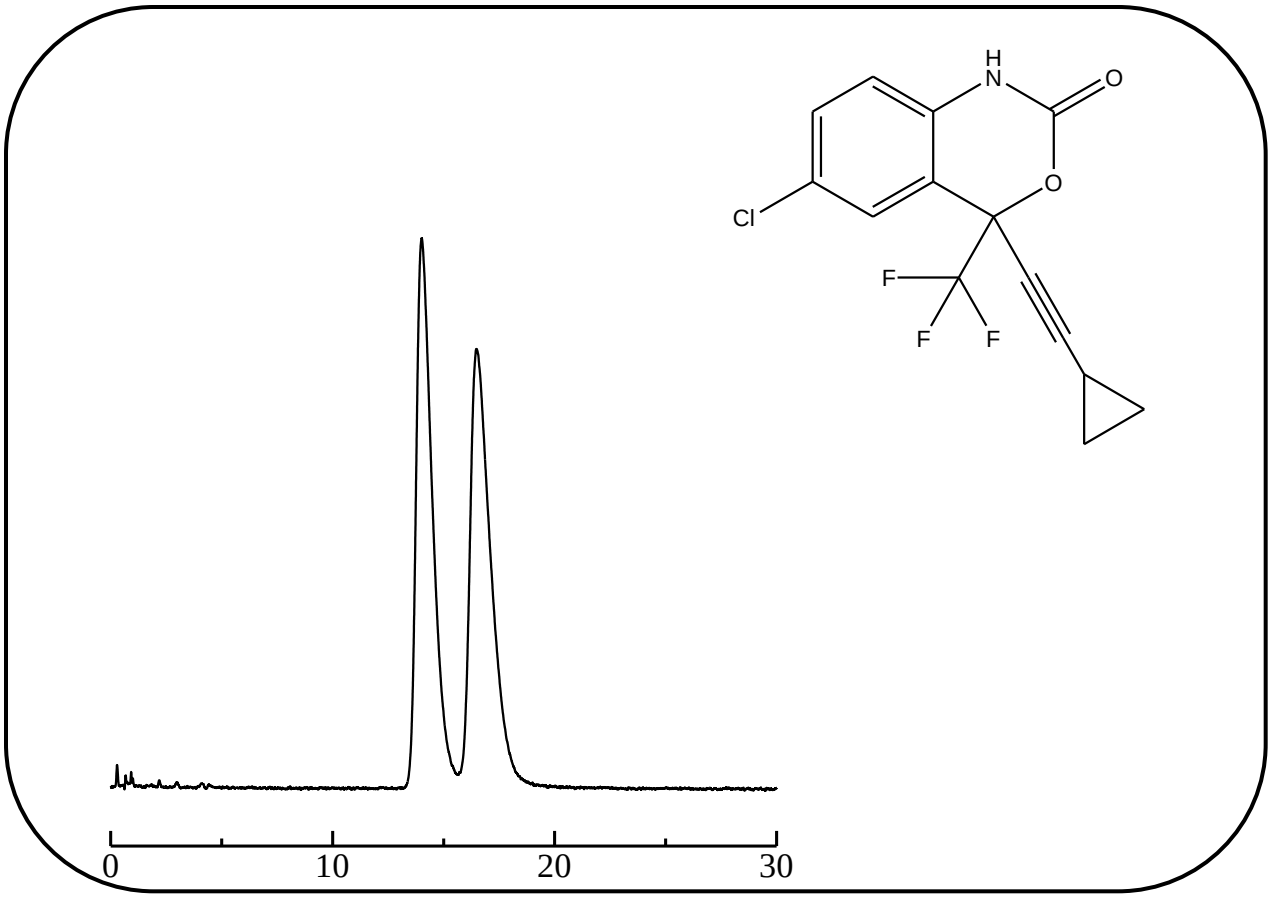
Analysis of efavirenz using the ULTRON ES-OVM (3 μm)

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 μm .

Efavirenz (non-nucleoside reverse transcriptase inhibitor)



Column:	ULTRON ES-OVM (3 μm)	Column temp.:	25°C
Column size:	100 mm L x 3.0 mm I.D.	Detection:	UV-250 nm
Mobile phase:	20 mM KH_2PO_4 (pH 4.6)/CH_3CN = 90/10	Sample:	200 mg/L (in diluent)
Flow rate:	1.0 mL/min	Injection vol.:	0.5 μL

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

- Employs a 3 μm 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 μm) line-up

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

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