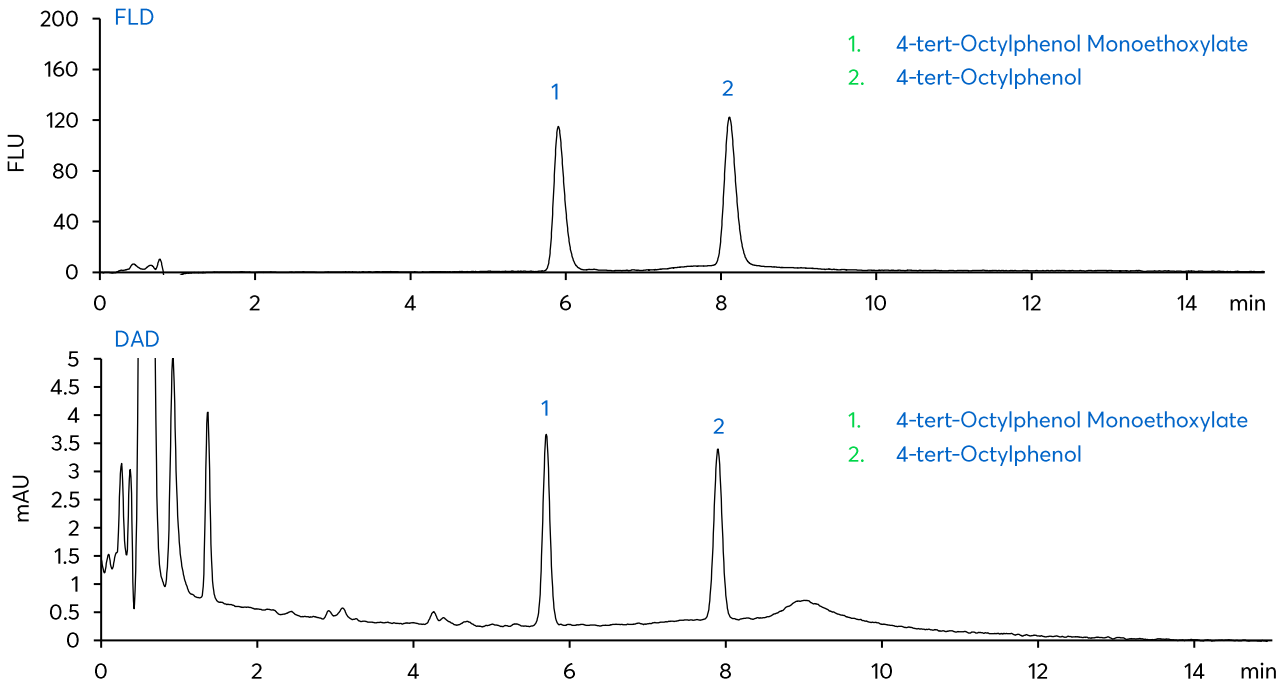
Chromatography Solutions

Application note #7730

HPLC Separation of 4-tert-Octylphenol Monoethoxylate and 4-tert-Octylphenol



Avantor® ACE®

Method Details

CONDITIONS

Column: Avantor® ACE® Excel® 3 C18-Amide

Particle Size: 3 µm

Dimensions: 100 x 3.0 mm

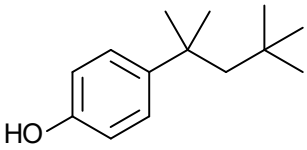
Instrument: VWR Hitachi Chromaster HPLC system with 5530 DAD and 5440 Fluorescence Detector

Mobile Phase: A: H_2O

B: MeCN

Gradient:

Time (mins)	% B
0	50
6	60
7	50
12	50



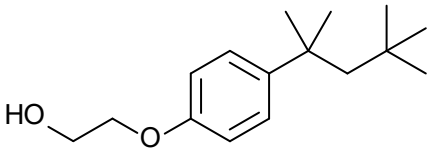
4-tert-Octylphenol

Flow Rate: 1 mL/min

Injection: 5 µL of standards with 5 µg/mL

Temperature: 30 °C

Detection: UV (220 nm), FL (Ex 275 nm, Em 300 nm)



4-tert-Octylphenol Monoethoxylate

ORDERING TABLE

Product	Details	Size	Part Number
Avantor® ACE® Excel® 3 C18-Amide	HPLC Column	100 x 3.0 mm	EXL-1112-1003U
Acetonitrile	VWR HiPerSolv CHROMANORM® for LC-MS	1 L	83640.290
Water	VWR CHROMANORM® super gradient grade	2.5 L	83650.320
VWR Hitachi Chromaster HPLC	600 bar HPLC system. Includes 5430 DAD		903-0355
Chromaster 5440 Fluorescence Detector			903-0164

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