

APPLICATIONS

Phthalate Metabolites by LC-MS/MS using a Kinetex[®] C18 Core-Shell LC Column

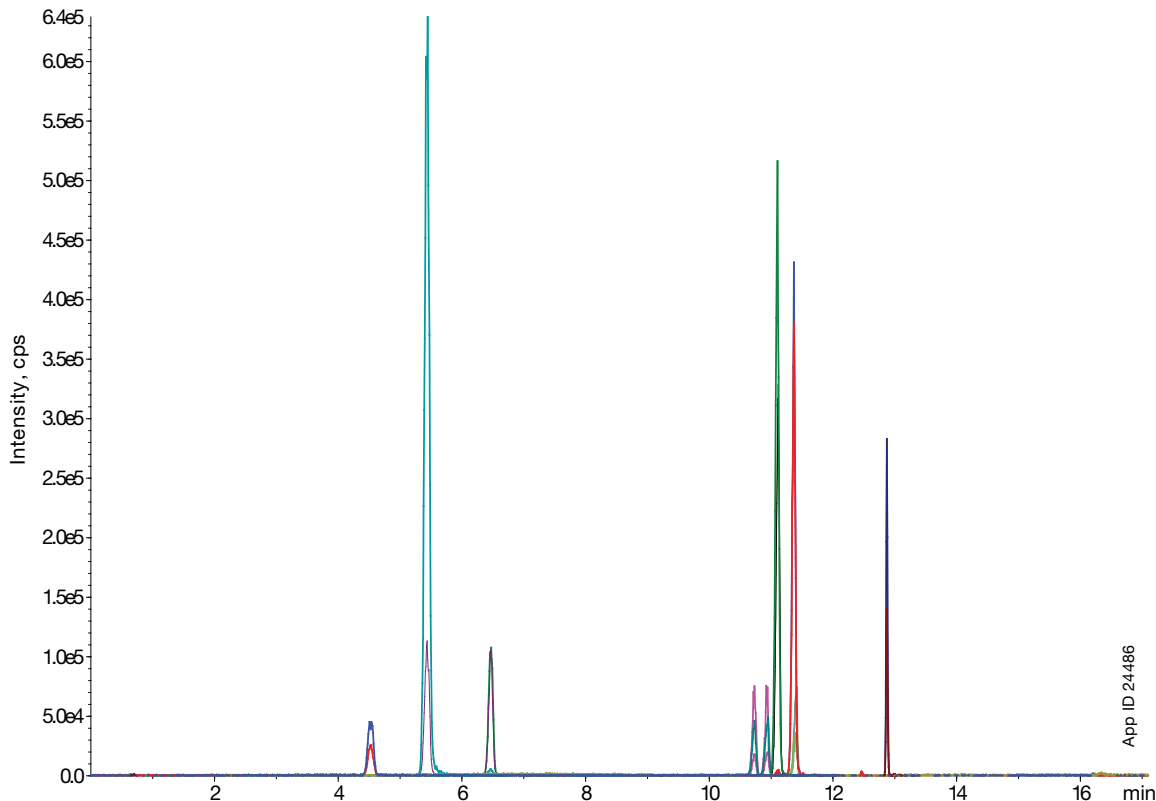
Seyed Sadjadi
Phenomenex, 411 Madrid Avenue, Torrance, CA 90501 USA

Overview

Utilizing the MS/MS in negative polarity mode, 9 phthalate metabolites were successfully separated using a Kinetex core-shell HPLC/UHPLC column.

LC-MS/MS Conditions

Column:	Kinetex 2.6 μ m C18
Dimensions:	150 x 2.1 mm
Part No.:	00F-4462-AN
Mobile Phase:	A: 0.1 % Acetic acid in Water B: 0.1 % Acetic acid in Methanol/Acetonitrile (50:50)
Gradient:	Time (min) % B
	0.01 15
	10 50
	10.1 50
	12 95
	15 95
	15.01 15
	17 15
Flow Rate:	0.4 mL/min
Temperature:	55 °C
Detection:	MS/MS, 4000 QTRAP [®] (Sciex), ESI-
Sample:	1. Mono-methyl phthalate 2. Mono-(3-carboxypropyl) phthalate 3. Mono-ethyl phthalate 4. Mono-isobutyl phthalate 5. Mono-n-butyl phthalate 6. Mono-(2-ethyl-5-carboxypentyl) phthalate 7. Mono-(2-ethyl-5-hydroxyhexyl) phthalate 8. Mono-benzyl phthalate 9. Mono-(2-ethylhexyl) phthalate



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Ordering Information

Kinetex[®] Core-Shell LC Columns

2.6µm Minibore Columns (mm)						SecurityGuard [™] ULTRA Cartridges [†]
Phases	30 x 2.1	50 x 2.1	75 x 2.1	100 x 2.1	150 x 2.1	3/pk
C18	00A-4462-AN	00B-4462-AN	00C-4462-AN	00D-4462-AN	00F-4462-AN	AJO-8782 for 2.1 mm ID

2.6µm MidBore [™] Columns (mm)						SecurityGuard [™] ULTRA Cartridges [†]
Phases	30 x 3.0	50 x 3.0	75 x 3.0	100 x 3.0	150 x 3.0	3/pk
C18	00A-4462-YO	00B-4462-YO	00C-4462-YO	00D-4462-YO	00F-4462-YO	AJO-8775 for 3.0 mm ID

2.6µm Analytical Columns (mm)						SecurityGuard [™] ULTRA Cartridges [†]
Phases	30 x 4.6	50 x 4.6	75 x 4.6	100 x 4.6	150 x 4.6	3/pk
C18	00A-4462-EO	00B-4462-EO	00C-4462-EO	00D-4462-EO	00F-4462-EO	AJO-8768 for 4.6 mm ID

1.7µm Minibore Columns (mm)					SecurityGuard [™] ULTRA Cartridges [†]
Phases	30 x 2.1	50 x 2.1	100 x 2.1	150 x 2.1	3/pk
C18	00A-4475-AN	00B-4475-AN	00D-4475-AN	00F-4475-AN	AJO-8782 for 2.1 mm ID

1.7µm MidBore Columns (mm)			SecurityGuard [™] ULTRA Cartridges [†]
Phases	50 x 3.0	100 x 3.0	3/pk
C18	00B-4475-YO	00D-4475-YO	AJO-8775 for 3.0 mm ID

[†]SecurityGuard Ultra Cartridges require holder, Part No.: AJO-9000

Australia
t: +61 (0)2-9428-6444
auiinfo@phenomenex.com

Austria
t: +43 (0)1-319-1301
anfrage@phenomenex.com

Belgium
t: +32 (0)2 503 4015 (French)
t: +32 (0)2 511 8666 (Dutch)
beinfo@phenomenex.com

Canada
t: +1 (800) 543-3681
info@phenomenex.com

China
t: +86 400-606-8099
cninfo@phenomenex.com

Denmark
t: +45 4824 8048
nordicinfo@phenomenex.com

Finland
t: +358 (0)9 4789 0063
nordicinfo@phenomenex.com

France
t: +33 (0)1 30 09 21 10
franceinfo@phenomenex.com

Germany
t: +49 (0)6021-58830-0
anfrage@phenomenex.com

India
t: +91 (0)40-3012 2400
indiainfo@phenomenex.com

Ireland
t: +353 (0)1 247 5405
eireinfo@phenomenex.com

Italy
t: +39 051 6327511
italiainfo@phenomenex.com

Luxembourg
t: +31 (0)30-2418700
nlinfo@phenomenex.com

www.phenomenex.com

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Mexico
t: 01-800-844-5226
tecnicomx@phenomenex.com

The Netherlands
t: +31 (0)30-2418700
nlinfo@phenomenex.com

New Zealand
t: +64 (0)9-4780951
nzinfo@phenomenex.com

Norway
t: +47 810 02 005
nordicinfo@phenomenex.com

Portugal
t: +351 221 450 488
ptinfo@phenomenex.com

Singapore
t: +65 800-852-3944
sginfo@phenomenex.com

Spain
t: +34 91-413-8613
espinfo@phenomenex.com

Sweden
t: +46 (0)8 611 6950
nordicinfo@phenomenex.com

Switzerland
t: +41 61 692 20 20
swissinfo@phenomenex.com

United Kingdom
t: +44 (0)1625-501367
ukinfo@phenomenex.com

USA
t: +1 (310) 212-0555
info@phenomenex.com

**All other countries
Corporate Office USA** 
t: +1 (310) 212-0555
info@phenomenex.com



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