

Bupropion related compounds on Kinetex 5u EVO C18 150x4.6mm

Column: Kinetex® 5µm EVO C18 100 Å, LC Column 150 x 4.6 mm, Ea

Dimensions: 150 x 4.6 mm ID

Order No: 00F-4633-E0

Elution Type: Gradient

Eluent A: 5mM Ammonium Bicarbonate pH 9.0

Eluent B: Methanol

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	50	50
	2	10	20	80

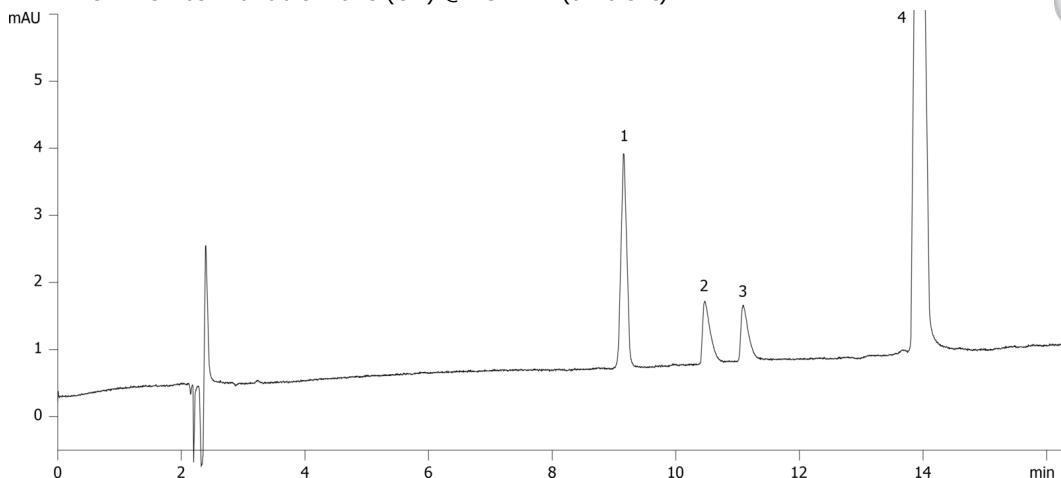
Flow Rate: 1 mL/min

Col. Temp.: ambient

Detection: UV-Vis Abs.-Variable Wave.(UV) @ 254 nm (ambient)



Products used in this application:



ANALYTES:

- 1** Hydroxybupropion
Retention Time: 9.156 min
- 2** Erythrobupropion
Retention Time: 10.469 min
- 3** Threobupropion
Retention Time: 11.087 min
- 4** Bupropion
Retention Time: 13.939 min



Sample Preparation Details

for HPLC Application ID No.: 23096

Bupropion related compounds on Kinetex 5u EVO C18 150x4.6mm

PRODUCT DESCRIPTION:

StrataTM-X-CW 33 μ m Polymeric Weak Cation, 60 mg / 3 mL, Tubes , 50/Pk

Order No.: 8B-S035-UBJ

SOLID PHASE EXTRACTION (SPE) PROCEDURE:

Note: The solvent volumes shown below are for a 60 mg bed mass.

The solvent volumes will need to be adjusted for a smaller or larger bed mass.

Condition:

Load:

Wash:

Dry:

5 minutes

Elute:

Final Prep and Analysis:

Inject: 2 μ L on HPLC UV-Vis Abs.-Variable Wave.(UV) @ 254 nm (ambient)

ANALYTES:	Spiked Conc. (ng/mL)	Log P	pKa	% Rec	%RSC (n=0)
1 Hydroxybupropion	0				
2 Erythrobupropion	0				
3 Threobupropion	0				
4 Bupropion	0				

Note: This method is designed as a convenient starting point for further investigation and can be tailored to meet your extraction goals.
Call your local Phenomenex Representative for assistance in method development and optimization techniques.

©2025 Phenomenex Inc. All rights reserved.

For more information contact your Phenomenex Representative at info@phenomenex.com



Phenomenex products are available worldwide.

www.phenomenex.com.cn

info@phenomenex.com