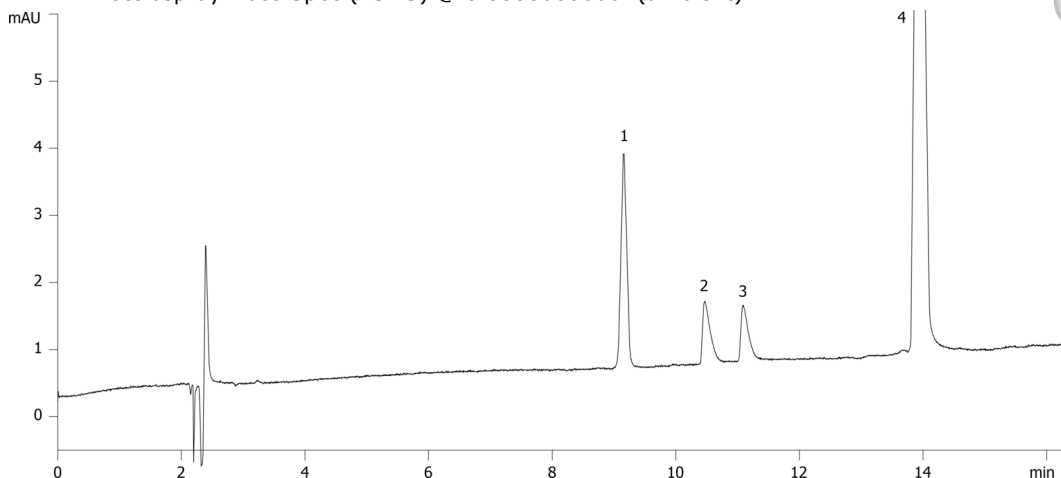


Bupropion related compounds on Kinetex 5u EVO C18 150x4.6mm**Column:** Kinetex® 5µm EVO C18 100 Å, LC Column 150 x 4.6 mm, Ea**Dimensions:** 150 x 4.6 mm ID**Order No:** 00F-4633-E0**Elution Type:** Gradient**Eluent A:** 5mM Ammonium Bicarbonate pH 9.0**Eluent B:** Methanol

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

Flow Rate: 1 mL/min**Col. Temp.:** ambient**Detection:** Electrospray Mass Spec (ESMS) @ 0.000000000 (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:

Strata™-X-CW 33 µm 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: 0 µL on HPLC Electrospray Mass Spec (ESMS) @ 0.0000000000 (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.

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



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