

# HPLC Application

ID No.: 23095

## Bupropion Extracted from Urine using Strata X-CW and Kinetex 5u EVO C18

**Column:** Kinetex<sup>®</sup> 5 $\mu$ m 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

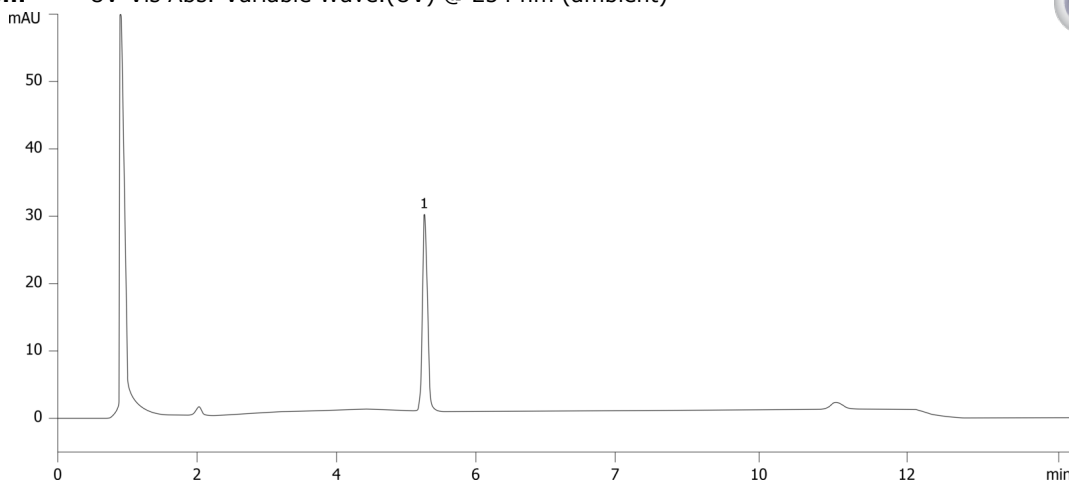
**Flow Rate:** 1 mL/min

**Col. Temp.:** ambient

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



Products used in this application:



### ANALYTES:

1 Bupropion



# Sample Preparation Details

for HPLC Application ID No.: 23095

## Bupropion Extracted from Urine using Strata X-CW and Kinetex 5u EVO C18

### PRODUCT DESCRIPTION:

Strata<sup>™</sup>-X-CW 33  $\mu$ 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:

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#### Load:

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#### Wash:

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#### Dry:

5 minutes

#### Elute:

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#### Final Prep and Analysis:

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

<b>ANALYTES:</b>	<b>Spiked Conc. (ng/mL)</b>	<b>Log P</b>	<b>pKa</b>	<b>% Rec</b>	<b>%RSC (n=0)</b>
1 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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