

## Heterocyclic Amines by LCMS using Kinetex 5u C18 50x2.1mm

**Column:** Kinetex® 5µm C18 100 Å, LC Column 50 x 2.1 mm, Ea

**Dimensions:** 50 x 2.1 mm ID

**Order No:** 00B-4601-AN

**Elution Type:** Gradient

**Eluent A:** 30 mM Ammonium formate

**Eluent B:** Acetonitrile

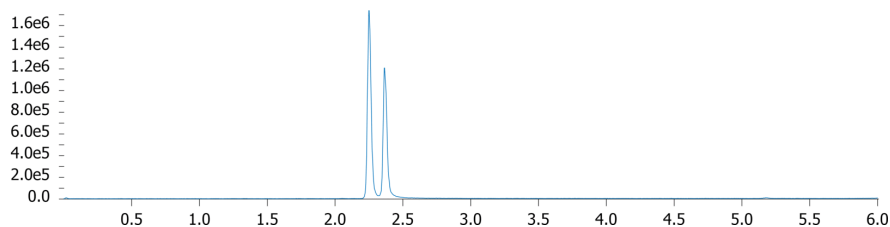
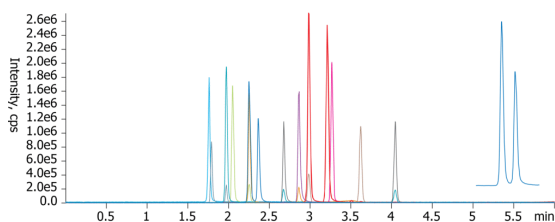
Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	95	5
	2	5	40	60
	3	5.1	0	100
	4	6	0	100
	5	7	95	5

**Flow Rate:** 500

**Col. Temp.:** ambient

**Detection:** Circular Dichroism @ 0.000000000 (ambient)

20771



Products used in this application:



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### ANALYTES:

- 1** DMIP
- 2** IQx
- 3** IQ
- 4** 8-MeIQ
- 5** 4,8-DiMe-IQx
- 6** 7,8-DiMe-IQx
- 7** Trp-P-2
- 8** Harman
- 9** Norharman
- 10** PhIP
- 11** AaC
- 12** MeAaC
- 13** MeIQ



# Sample Preparation Details

for HPLC Application ID No.: 20771

## Heterocyclic Amines by LCMS using Kinetex 5u C18 50x2.1mm

### PRODUCT DESCRIPTION:

Strata™-X-C 33 µm Polymeric Strong Cation, 60 mg / 3 mL, Tubes , 50/Pk

Order No.: 8B-S029-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:

#### Elute:

#### Final Prep and Analysis:

Inject: 2 µL on HPLC Circular Dichroism @ 0.0000000000 (ambient)

ANALYTES:	Spiked Conc. (ng/mL)	Log P	pKa	% Rec	%RSC (n=0)
1 DMIP	0				
2 IQx	0				
3 IQ	0				
4 8-MeIQ	0				
5 4,8-DiMe-IQx	0				
6 7,8-DiMe-IQx	0				
7 Trp-P-2	0				
8 Harman	0				
9 Norharman	0				
10 PhIP	0				
11 AaC	0				
12 MeAaC	0				
13 MeIQ	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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