HPLC Application



Column:		um C18 100 Å, LC	-		/
Dimensions:	50 x 2.1 mm				
Order No:	00B-4601-A			Kinetex [®]	
	Gradient			Ultra-High Performance on Any LC System	
Elution Type: Eluent A:		nonium formate		Of Ally Lo System	
Eluent A: Eluent B:	Acetonitrile	ionium ioniale			
		Time (min)		D-t D	
Gradient	Step No.	Time (min)	Pct A	Pct B	
Profile:	1	0	95	5	
	2	5	40	60	Products used in this application:
	3	5.1	0	100	
	4	6	0	100	
	5	7	95	5	(KINETEX.
Flow Rate:	500 µL/min				
Col. Temp.:	ambient				
Detection:	Tandem Mas	ss Spec (MS-MS) @	(ambient)		
Detector Info: 20771			snactromatars?utr	n campaign-20100620	application%20coarch&utm_source=phenomenex&utm_medium=referral">SCI
2.666 - 2.466 - 2.266 - 17 2.065 - 18 2.66 - 18 1.866 - 19 1.266 - 19 1.266 - 10 1.266 - 8.045 - 6.045 - 2.045 - 2.045 - 0.0.0 -					

phenomenex

breaking with tradition

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1.6e6 1.4e6 1.2e6 1.0e6 8.0e5 6.0e5 4.0e5 2.0e5 0.0

0.5

1.0

1.5

2.0

2.5

3.0

3.5

4.0

4.5

5.0

5.5

6.0

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HPLC Application



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

ANALYTES:

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

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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) PRODCEDURE:

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 Tandem Mass Spec (MS-MS) @ (ambient)

ANALYTES:		Spiked Conc. (ng/mL)	Log P	рКа	% 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	8 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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