HPLC Application

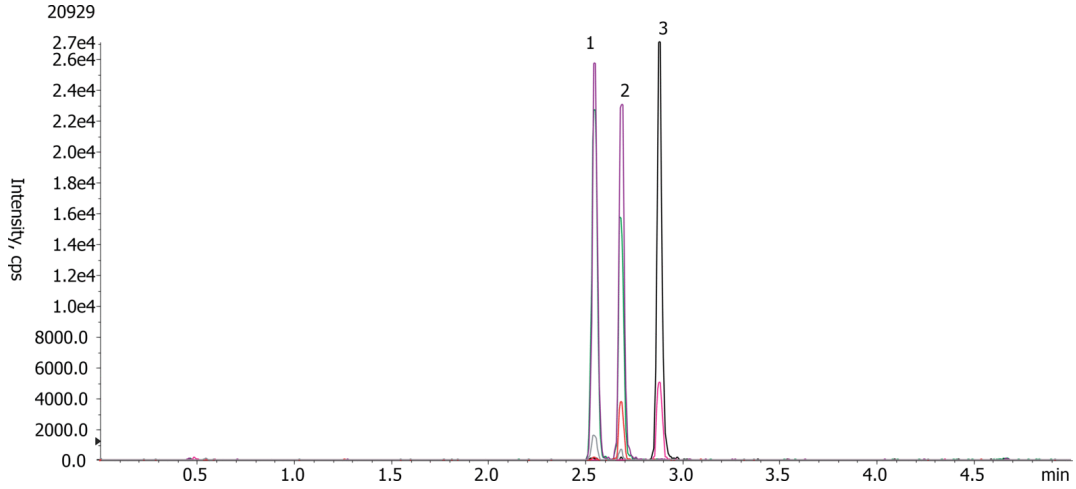
ID No.: **20929**

T3/T4 Plasma Extract by LC/MS/MS on Kinetex C18, 2.6 um, 75x2.1 mm

Column: Kinetex® 2.6 µm C18 100 Å, LC Column 75 x 2.1 mm, Ea
Dimensions: 75 x 2.1 mm ID
Order No: 00C-4462-AN
Elution Type: Gradient
Eluent A: 0.05% Formic Acid in DI H2O
Eluent B: 50:50 MeOH:ACN

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	70	30
	2	2.5	30	70
	3	3	30	70
	4	3.01	10	90
	5	4	10	90
	6	4.01	70	30
	7	5.5	70	30

Flow Rate: 600 mL/min
Col. Temp.: ambient
Detection: Electrospray Mass Spec (ESMS) @ 0.0000000000 (ambient)



Products used in this application:

KINETEX®

ANALYTES:

1 T3
Retention Time: 2.54 min

2 Rev T3
Retention Time: 2.68 min

3 T4
Retention Time: 2.88 min

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Phenomenex products are available worldwide.

Sample Preparation Details

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T3/T4 Plasma Extract by LC/MS/MS on Kinetex C18, 2.6 um, 75x2.1 mm

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:

Extraction Procedure:

Wash:

Dry:

5 min under max vac

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	T3	1				
2	Rev T3	1				
3	T4	1				

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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