

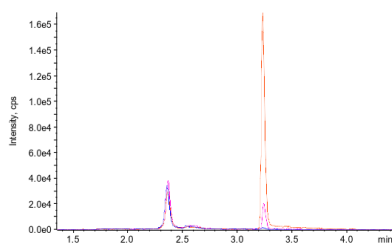
Standards and IS, Clarity OTX Central Nervous System (CNS) Tissue

Column: bioZen™ 2.6 µm Oligo,LC Column 100 x 2.1 mm, Ea
Dimensions: 100 x 2.1 mm ID
Order No: 00D-4790-AN
Elution Type: Gradient
Eluent A: 1.0 % HFIP, 0.1% DIPEA in Water with 10 µm EDTA
Eluent B: 0.075% HFIP, 0.0375% DIPEA in Water:ACN (35:65) with 10 µm EDTA



| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
| | 1 | 0 | 95 | 5 |
| | 10 | 6.2 | 80 | 20 |
| | 11 | 6.3 | 20 | 80 |
| | 12 | 7.5 | 5 | 95 |
| | 13 | 7.8 | 5 | 95 |
| | 14 | 7.9 | 95 | 5 |
| | 2 | 0.1 | 95 | 5 |
| | 3 | 2.5 | 80 | 20 |
| | 4 | 4 | 40 | 60 |
| | 5 | 4.1 | 5 | 95 |
| | 6 | 4.4 | 5 | 95 |
| | 7 | 5 | 80 | 20 |
| | 8 | 5.8 | 5 | 95 |
| | 9 | 6.1 | 5 | 95 |

Flow Rate: 0.5 mL/min
Col. Temp.: 80 °C
Detection: LC/MS/MS @ (ambient)



Standards and IS, Clarity OTX Central Nervous System (CNS) Tissue

ANALYTES:



Sample Preparation Details

for HPLC Application ID No.: 26262

Standards and IS, Clarity OTX Central Nervous System (CNS) Tissue

PRODUCT DESCRIPTION:

Clarity® OTX, 100 mg / well, 96-Well Plates , Ea

Order No.: 8E-S103-EGA

SOLID PHASE EXTRACTION (SPE) PROCEDURE:

Note: The solvent volumes shown below are for a bed mass.

The solvent volumes will need to be adjusted for a smaller or larger bed mass.

Condition:

Load:

Aliquot 75 µL calibration standards, QC samples, study samples onto 2 mL 96-well round bottom plate
Add 30 µL IS (1 µg/mL) to all wells except blank controls (add 30 µL water to blanks)
Condition 96-well plate with 1 mL MeOH
Equilibrate with 1 mL Equilibration Buffer (50 mM Ammonium Acetate, pH 5.5)

Wash:

Dry:

Elute:

Final Prep and Analysis:

Inject: 2 µL on HPLC LC/MS/MS @ (ambient)

| ANALYTES: | Spiked Conc. (ng/mL) | Log P | pKa | % Rec | %RSC (n=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.

©2024 Phenomenex Inc. All rights reserved.

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



Phenomenex products are available worldwide.

www.phenomenex.com

support@phenomenex.com