HPLC Application

Linearity curve of norcocaine from Oral fluid on a Strata-X-C and Knx 2.6um, XB-C!8 50x4.6 column

| Column: Dimensions: Order No: Elution Type: Eluent A: Eluent B: | Kinetex® 2.6 µm XB-C18 100 Å, LC Column 50 x 4.6 mm, Ea 50 x 4.6 mm ID 00B-4496-E0 Gradient 0.1% Formic Acid in DI H2O 0.1% Formic Acid in ACN | | | | Kinetex* Ultra-High Performance on Any LC System | |
|--|--|---------------------------|-------|-------|--|--|
| Gradient | Step No. | Time (min) | Pct A | Pct B | | |
| Profile: | 1 | 0 | 90 | 10 | | |
| | 2 | 3 | 60 | 40 | Products used in this application: | |
| | 3 | 3.5 | 60 | 40 | | |
| | 4 | 3.51 | 90 | 10 | | |
| | 5 | 6 | 90 | 10 | (I) KINETEX. | |
| Flow Rate: | 1000 µL/mir | <u>.</u> 1 | | | | |
| Col. Temp.: | ambient | | | | | |
| Detection: | Tandem Mass Spec (MS-MS) @ (ambient) | | | | | |
| Detector Info: | Instrument: | Agilent® 1260 | | | | |
| Analyst Note: | MS/MS Instrument: <a <br="" target="_blank">href="https://sciex.com/products/mass-spectrometers?utm_campaign=2019%20application%20search&utm_source=phenomenex&utm_medium=referral">SCIEX<, Sample pre-treatment | | | | | |
| | 1ml human oral fluid was collected on cellulose pad of the applicator tip provided by the Intercept® i2 oral fluid device (OFC). Saturated pad was placed into | | | | | |
| | transport tube containing buffer solution and allowed to sit overnight. Centrifuge at 600g for 15mins to collect | | | | | |
| | | | | | | |
| | supernatant. | | | | | |
| | SPE cartridge: Strata-X-C, 30 mg 96-Well Plate Part No. 8E-S029-TGB Step Procedure Condition: 1 mL Methanol | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | Equilibrate: | 1 mL DI Water | | | | |
| | Load: Combine 0.5mL of pretreated sample spiked with internal | | | | | |
| | Standards and 1 mL 1% formic acid, mix/vortex 10-15 secs and Weak Wash: 1 mL 50:50 Acetone/Water Strong Wash: 1 mL 50:50 Acetone/Water Dry Down: 5 minutes at maximum vacuum (15" Hg or higher) | | | | | |
| | | | | | | |
| | | | | | | |
| | Elute: | | | | | |
| | (5:5:2) Dry Down: Evaporate to dryness under gentle nitrogen and 45-50°C. | | | | | |
| | Reconstitute: | 200 µL initial mobile pha | ase | | | |
| | | | | | | |

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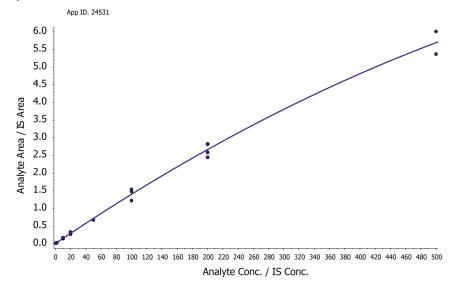
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ANALYTES:

1 Norcocaine

Retention Time: 2.38 min

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