HPLC Application

Linearity curve of Levamisole from O 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® Utra-High Performance on Any LC System	
Gradient	Step No.	Time (min)	Pct A	Pct B		
Profile:	1	0	90	10		
	2	3	60	40		
	3	3.5	60	40	Products used in this application:	
	4	3.51	90	10		
	5	6	90	10	KINETEX.	
Flow Rate:	1000 µL/mir	า				
Col. Temp.:	ambient					
Detection:	Tandem Mass Spec (MS-MS) @ (ambient)					
Detector Info:	Instrument:	Agilent® 1260				
Analyst Note:	MS/MS Instrume href="https://sc Sample pre-trea	MS/MS Instrument: <a <br="" target="_blank">gref="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 PlatePart No.8E-S029-TGBStepProcedureCondition:1 mL Methanol					
	Equilibrate:	1 mL DI Water				
	Load:	oad: Combine 0.5mL of pretreated sample spiked with internal standards and 1 ml 1% formic acid, mix/vortex 10-15 secs and				
	standards and 1 mL 1% formic acid, mix/vortex 10-15 secs and Weak Wash: 1 mL DI Water Strong Wash: 1 mL 50:50 Acetone/Water					
	Dry Down: 5 minutes at maximum vacuum (15" Hg or higher)					
	Elute: 2 x 500 µL Methanol/Acetonitrile/30% Ammonium Hydroxide (5:5:2) (5:5:2)					
	Dry Down:	(5:5:2) Evaporate to dryness under gentle nitrogen and 45-50°C.				
	Reconstitute:	200 µL initial mobile pha	ise			

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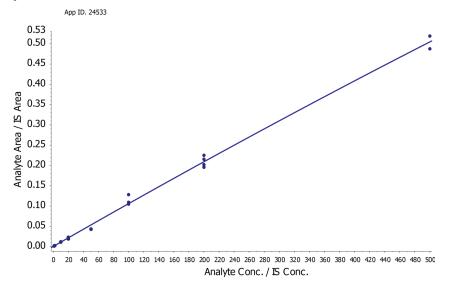


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ANALYTES:

1 Levamisole

Retention Time: 1.19 min

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