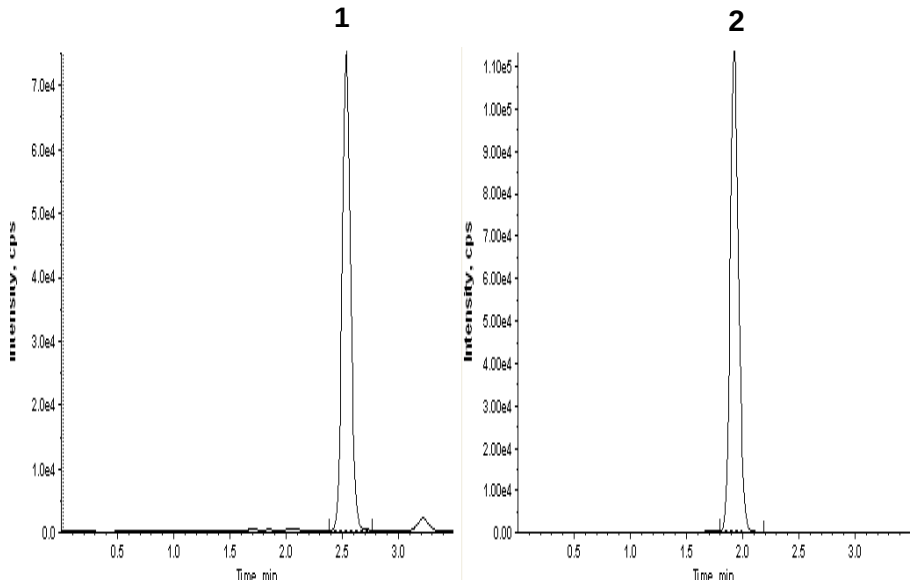
Phenelzine in Human Plasma by LC-MS/MS

ACE®
Ultra-inert
UHPLC & HPLC Columns

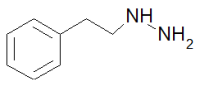
Application #AN4200

Conditions

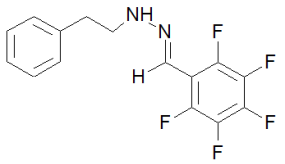
Column:	ACE 5 C18
Dimensions:	100 x 4.6 mm
Part Number:	ACE-121-1046
Mobile Phase:	10 mM ammonium acetate in H_2O, pH 4.0/MeOH (20:80 v/v)
Flow Rate:	1 mL/min with 70% split flow into MS
Injection:	10 µL
Temperature:	45 °C
Detection:	AB Sciex API-4000 MS MRM using ESI in positive ion mode Turboionspray Interface Temperature: 600 °C Ionspray Voltage: 5500 V
Sample:	Phenelzine derivatised with pentafluorobenzaldehyde, followed by SPE extraction of derivative and hydroxyzine (I.S.) from 200 µL human plasma.



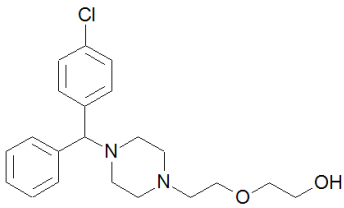
Spiked human plasma



Phenelzine



1. Phenelzine derivative
(m/z 305.1 → 105.1)
20.2 ng/mL



2. Hydroxyzine
(m/z 375.3 → 201.1)
25 ng/mL

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