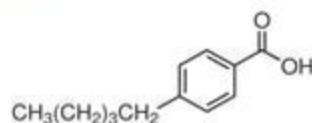


AGILITY DVB SAX SPE CARTRIDGE

Compound: Pentylbenzoic Acid



SPE EXTRACTION METHOD:

(Agility™ DVB SAX cartridge, 30 mg/ 1 cc)
(Catalog #SYAG503001)

Condition:
1 mL of Methanol, followed by 1 mL of 5% NH₄OH

Load:
100 µL of spiked human plasma with 5 µL of NH₄OH

Wash:
1 mL of 5% NH₄OH, followed by 1 mL of 5% NH₄OH in 75% methanol

Elute:
1 mL of 1% formic acid in methanol

Evaporate and Reconstitute:
200 µL of 80% acetonitrile

HPLC METHOD:

Column: Orochem Reliasil C18
HPLC column 4.6x50 mm, 3 µm.

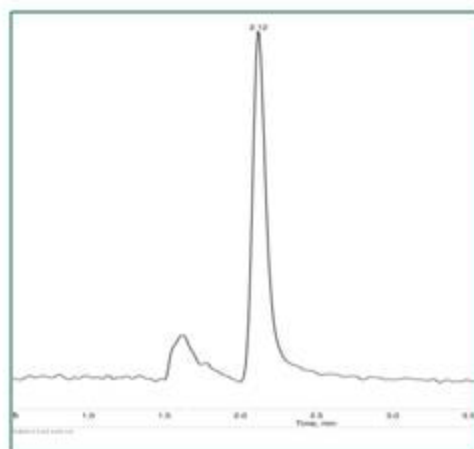
Part number: R3BI-101

Mobile phase:
water/acetonitrile/acetic acid
10:90:1

Flow rate: 0.5 mL/min

Injection volume: 20 µL

Retention time: 2.12 min



MS/MS CONDITIONS:

Mass spectrometer: API3000

Ion source: Turbo IonSpray

Polarity: Negative

Scan mode: MRM: Q1: 191.0, Q3:
147.0

IS: -4500

Temp.: 550

DP: -20

CAD: 12

CE: -20

CXP: -15

EP: -10

RESULTS

Recovery (CV%): 80.5% (14.5%)