

Nitroanilines (I)

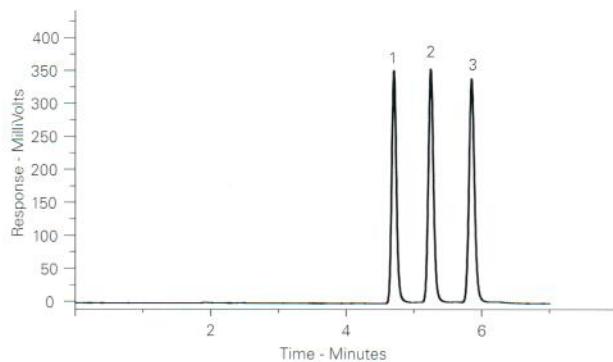
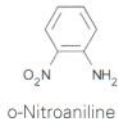
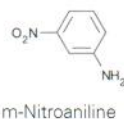
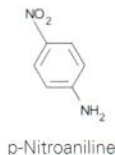
Application #AN3240

Conditions

Column: ACE 5 C18
Dimensions: 250 x 4.6 mm
Part Number: ACE-121-2546
Mobile Phase: 50 mM KH_2PO_4 pH 3.15/
MeCN (50:50 v/v)
Flow Rate: 1 mL/min
Temperature: Ambient
Detection: UV, 254 nm

Analytes

1. p-Nitroaniline
2. m-Nitroaniline
3. o-Nitroaniline



Nitroanilines (II)

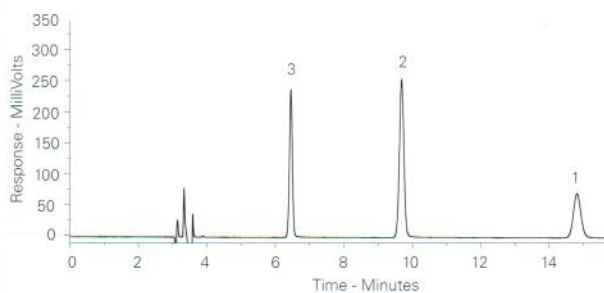
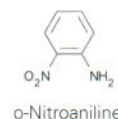
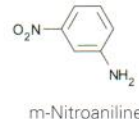
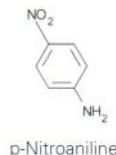
Application #AN3250

Conditions

Column: ACE 5 CN
Dimensions: 250 x 4.6 mm
Part Number: ACE-124-2546
Mobile Phase: Heptane/Ethyl acetate (90:10 v/v)
Flow Rate: 1 mL/min
Temperature: Ambient
Detection: UV, 254 nm

Analytes

1. p-Nitroaniline
2. m-Nitroaniline
3. o-Nitroaniline



Nitrofurans Metabolites by LC-MS/MS

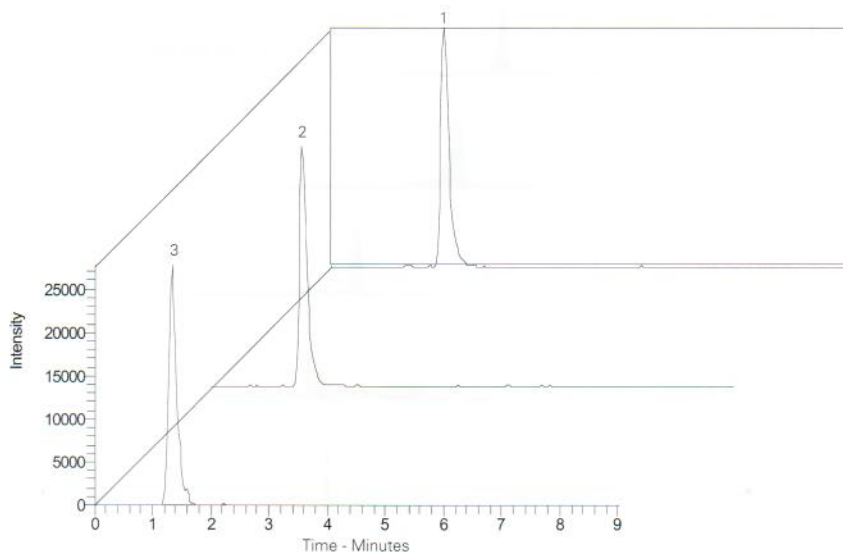
Application #AN3050

Conditions

Column: ACE 3 C18
Dimensions: 50 x 2.1 mm
Part Number: ACE-111-0502
Mobile Phase: MeOH/0.5 mM ammonium acetate in H_2O (50:50 v/v)
Flow Rate: 0.2 mL/min
Injection: 20 μL
Temperature: Ambient
Detection: ESI MS/MS (+ve mode)
Sample: Metabolites derivatised with 2-nitrobenzaldehyde to form nitrophenyl derivatives, prior to LC-MS analysis

Analytes

1. 5-Methylmorpholino-3-amino-2-oxazolidinone derivative (NBAMOZ)
(metabolite of furaltadone)
(m/z 335 \rightarrow 291)
2. 3-Amino-2-oxazolidinone derivative (NBAOZ)
(metabolite of furazolidone)
(m/z 236 \rightarrow 134)
3. 1-Aminohydantoin derivative (NBAHD)
(metabolite of nitrofurazone)
(m/z 249 \rightarrow 134)



Available from



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