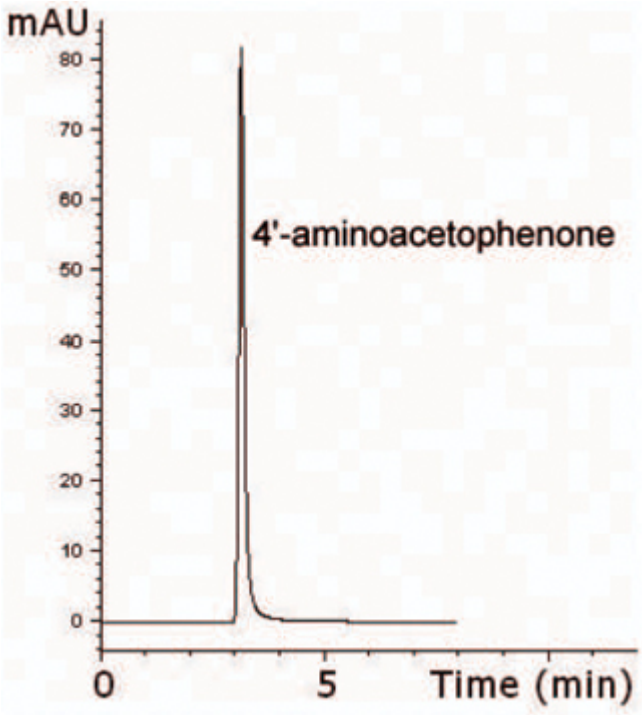
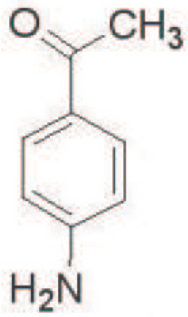
4’-Aminoacetophenone Analysis with HPLC – AppNote

4’-Aminoacetophenone Retained in Acidic Conditions

This Method investigated 4’-Acetaminophenone Retention and Analysis. Adequate Retention and Sensitivity was the result and could be useful in Analysis of the Metabolites of this class of Anti-tumor Agents in body fluids (Plasma or Urine) during or after Chemotherapy.





Peak:

4’-Aminoacetophenone

Method Conditions

Column: Cogent Bidentate C18™, 4µm, 100Å

Catalog No.: 40018-75P

Dimensions: 4.6 x 75mm

Mobile Phase:

Isocratic: 80:20 Solvent A / Solvent B

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A: DI Water / 0.2% Acetic Acid

B: Acetonitrile / 0.2% Acetic Acid

Injection vol.: 2µL

Flow rate: 1.0mL / minute

Detection: UV @ 324nm

Sample Preparation: 1mg of the Compound dissolved in 1mL of 50:50 Solvent A / Solvent B solution. *Sample for Injection* diluted 1:15 with 100% Solvent A.

Note: *4'-Aminoacetohenone (arylamine) is one of the metabolites of 1-(4-Acetylphenyl)-3,3-Dimethyltriazene, which is an anti-tumour Triazene. 4'-Acetaminophenone is also frequently used as an internal standard in analysis of Mitomycin C.*

Attachment

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