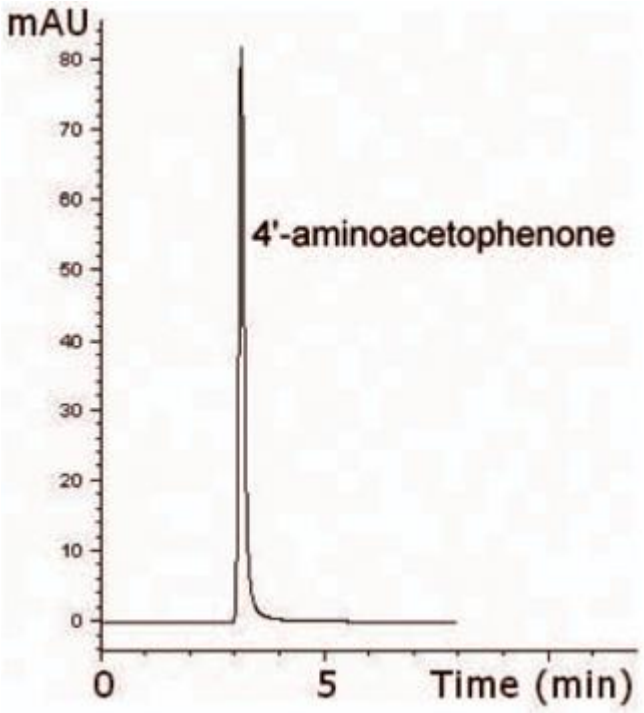
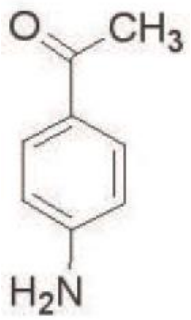
4-Aminoacetophenone Analysis with HPLC - AppNote

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

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: No 66 4'-Aminoacetophenone Analysis with HPLC pdf 0.2 Mb Download File

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