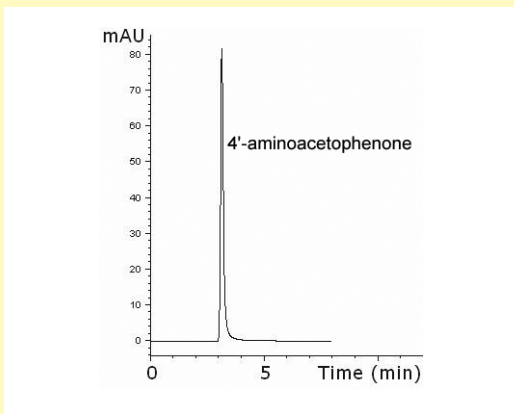
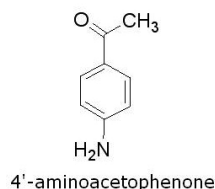


Drug Metabolite

4'-aminoacetophenone



Note: 4'-aminoacetophenone (arylamine) is one of the metabolites of 1-(4-acetylphenyl)-3,3-dimethyltriazene, which is an antitumour triazene. The presented method could be useful in analysis of the metabolites of this class of antitumour agents in body fluids (plasma or urine) during or after chemotherapy. 4'-acetaminophenone is also frequently used as an internal standard in analysis of Mitomycin C.

Method Conditions

Column: Cogent Bidentate™, 4µm, 100Å
Catalog No.: 40018-75P
Dimensions: 4.6 x 75 mm
Mobile phase: 80% A/20% B
 Solvent A: 100% DI water + 0.2% acetic acid
 Solvent B: 100% acetonitrile + 0.2% acetic acid
Flow rate: 1.0 mL/min.
Injection Volume: 2 µL
Sample: 1mg of the compound dissolved in 1 mL of 50% A/50% B solution. Sample for injection diluted 1:15 with 100% A.
Detection: UV 324 nm

Discussion

The use of a Cogent Bidentate™ C18 column in RP-HPLC mode was investigated using 4'-acetaminophenone as a model compound. The short column gave adequate retention and sensitivity for the analyzed compound.

For more information visit www.MTC-USA.com

| Cat. No. | Description |
|-----------|--|
| 40018-75P | Cogent Bidentate™ C18 HPLC Column, 4µm,100A 4.6mm x 75mm |