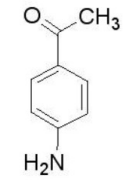
Drug Metabolite

4'-aminoacetophenone



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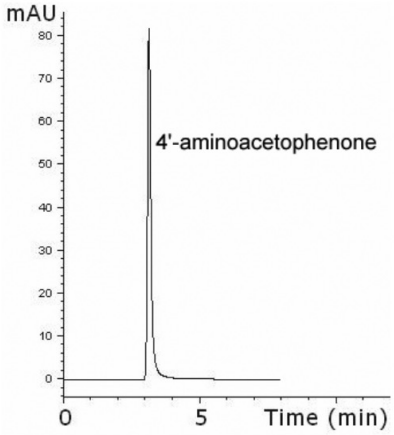

Notes: 4'-aminoacetohenone (arylamine) is one of the metabolites of 1-(4-acetylphenyl)-3,3- dimethyltriazene, which is an antitumour triazene. The presented method could be useful in analysis of the metabolites of this class of antitumour agents in body fluids (plasma or urine) during or after chemotherapy.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

Method Conditions

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

Catalog No.: 40018-75P

Dimensions: 4.6 x 75 mm

Solvents: A: DI H_2O/ 0.2% acetic acid
B: Acetonitrile/ 0.2% acetic acid

Mobile Phase: 80%A /20%B

Injection vol.: 2µL

Flow rate: 1.0 mL/min

Detection: UV 324 nm

Sample: 1mg of the compound dissolved in 1 mL of 50%A/ 50%B solution. Sample for injection diluted 1:15 with 100%A

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.

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