Application of a Novel Quadrupole-Linear Ion Trap Mass Spectrometer for Screening and Identification of Metabolites of the Drug Tolcapone in Biological Fluids

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Overview

Introduction

Strategy for identification of metabolites in biological fluids

Methods

17% of the guidelines (10% (25%) and 50% (75%))

Results

Identification of 3-methoxy tolcapone (RO 40-7591) in rat urine

Identification of tolcapone metabolites in rat urine using targeted product ion analysis with -EPI

Identification of 3-methoxy tolcapone (RO 40-7591) in human plasma

Identification of tolcapone metabolites in human plasma using targeted product ion analysis with EPI

Conclusions

Identification of low concentrations of glutathione conjugate metabolites in rat hepatocytes