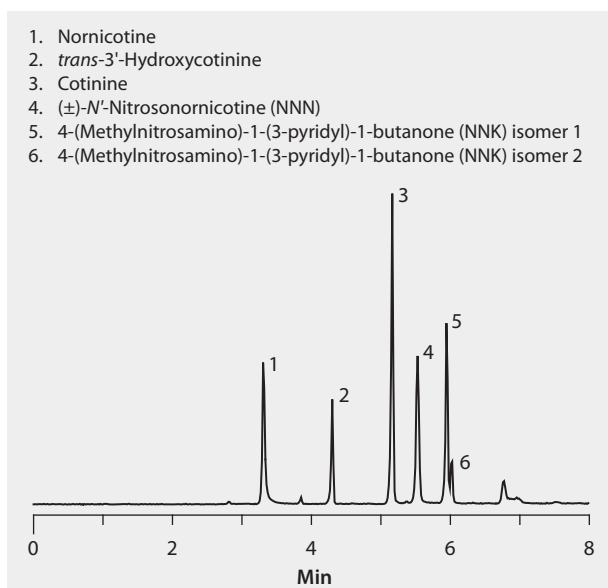


LC/MS Analysis of Nicotine and Metabolites on Kromasil® Eternity™ C18 (Analyte Set 2)

Nicotine and metabolites are shown here separated on a Kromasil Eternity C18 column, Fluka LC-MS Ultra CHROMASOLV solvents were used to supply low background interference and low particulate contaminants for robust, trouble-free operation. Cerilliant CRMs provided reliable identification and quantification.

market focus Clinical
column Kromasil Eternity C18, 10 cm x 3.0 mm I.D., 2.5 µm particles (K08971111)
mobile phase [A] 10 mM ammonium acetate in water:methanol (95:5); [B] 10 mM ammonium acetate in water:methanol (10:90)
gradient 0% B held for 1 min; to 100% B in 8.5 min; 100% B held for 1 min
flow rate 0.4 mL/min
pressure 332 psi (23 bar)
column temp. 45 °C
detector MS, ESI(+) TOF, EIC
injection 5 µL
sample 100 ng/mL in mobile phase A
Application No. G005925



Related Products

analytical column

Kromasil® Eternity™ C18 HPLC Column ([Supelco K08971111](#))

mobile phase component

Ammonium acetate ([Fluka 14267](#))

Methanol ([Fluka 14262](#))

Water ([Fluka 14263](#))

standard

(-)-Cotinine solution ([Cerilliant C-016](#))

trans-3'-Hydroxycotinine solution ([Cerilliant H-101](#))

(±)-N'-Nitrosornicotine (NNN) solution ([Cerilliant N-075](#))

4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK) solution ([Cerilliant N-076](#))

(±)-Nornicotine solution ([Cerilliant N-071](#))