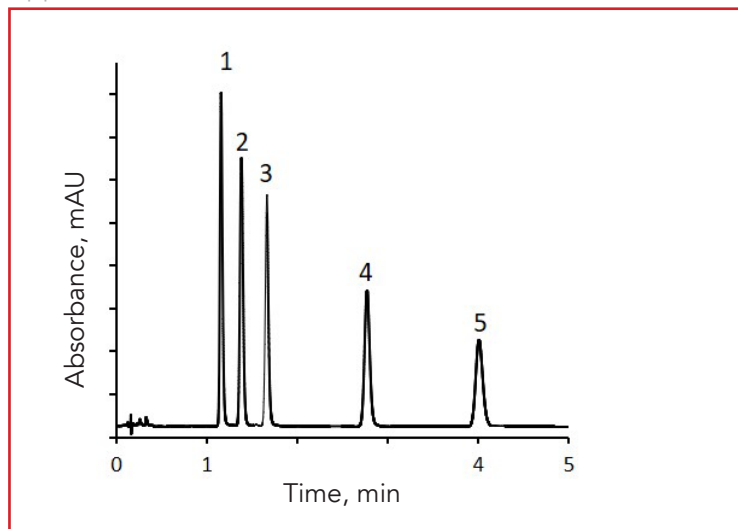




Separation of Anabolic Steroids on HALO® C18, 2.0 µm

Application Note 139-STR



PEAK IDENTITIES:

1. Nandrolone
2. Methandienone
3. Testosterone
4. Epitestosterone
5. Norethandrolone

Screening for steroid use is common in both sports and medicine. These five anabolic steroids are separated in less than 5 minutes using a 2-micron HALO® C18 column.

TEST CONDITIONS:

Column: HALO 90 Å C18, 2.0 µm,
2.1 x 50 mm

Part Number: 91812-402

Mobile Phase: 70/30 - A/B

A: Water

B: Acetonitrile

Flow Rate: 0.8 mL/min

Pressure: 476 bar

Temperature: 40 °C

Detection: UV 254 nm, PDA

Injection Volume: 2.0 µL

Sample Solvent: 37.5/62.5 water/organic solvent
(acetonitrile, methanol, and 1,2-dimethoxyethane)

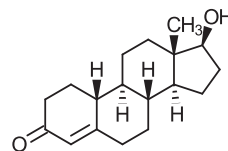
Response Time: 0.02 sec

Flow Cell: 2.0 µL micro cell

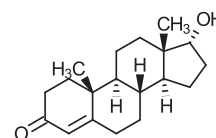
Data Rate: 80 Hz

LC System: Agilent 1200 SL

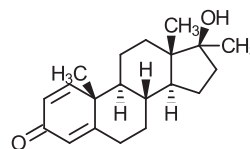
STRUCTURES:



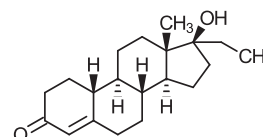
Nandrolone



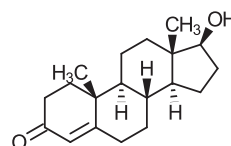
Epitestosterone



Methandienone



Norethandrolone



Testosterone

