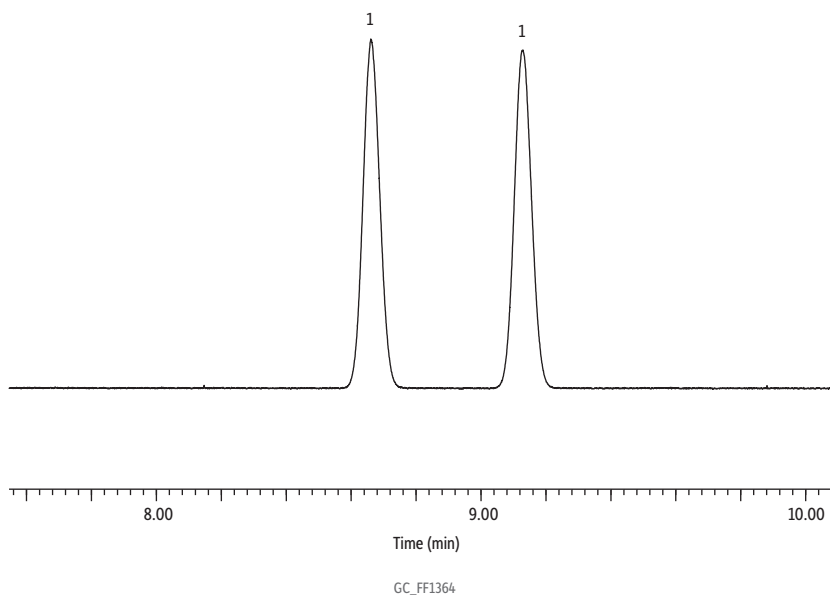


Ethyl-2-Methylbutyrate on Rt- β DEXse



Peaks	tr 1	tr 2
1. Ethyl 2-methylbutyrate	8.662	9.129

Column Rt- β DEXse, 30 m, 0.32 mm ID, 0.25 μ m (cat.# 13106)
Standard/Sample Ethyl-2-methylbutyrate
Diluent: Acetone
Conc.: 830 μ g/mL
Injection
Inj. Vol.: 1 μ L split (split ratio 100:1)
Liner: Topaz 4.0 mm ID Precision inlet liner w/ wool (cat.# 23305)
Inj. Temp.: 210 °C
Oven
Oven Temp.: 40 °C (hold 1 min) to 230 °C at 2 °C/min (hold 3 min)
Carrier Gas Hz, constant flow
Linear Velocity: 80 cm/sec @ 40 °C
Detector FID @ 230 °C
Constant Column
+ Constant Make-up: 51.4 mL/min
Make-up Gas Type: N₂
Hydrogen flow: 40 mL/min
Air flow: 400 mL/min
Data Rate: 50 Hz
Instrument Agilent 7890A GC
Sample Preparation Ethyl-2-methylbutyrate (neat) was dissolved in acetone to a final concentration of 830 ppm in 2 mL, screw-thread vials (cat.# 21143), and capped with short-cap, screw-vial closures (cat.# 24495).
Notes Ethyl-2-methylbutyrate enantiomeric resolution was 4.6.