

Chemical Information:

Name: Tetradecanoic acid, 1-methylethyl ester Date of Analysis: 24 June 2009
CAS No.: 110-27-0 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_202065 Lot No.: 04021JJ
NTP_CID No.: 2653 MW: 270.45 g/mol

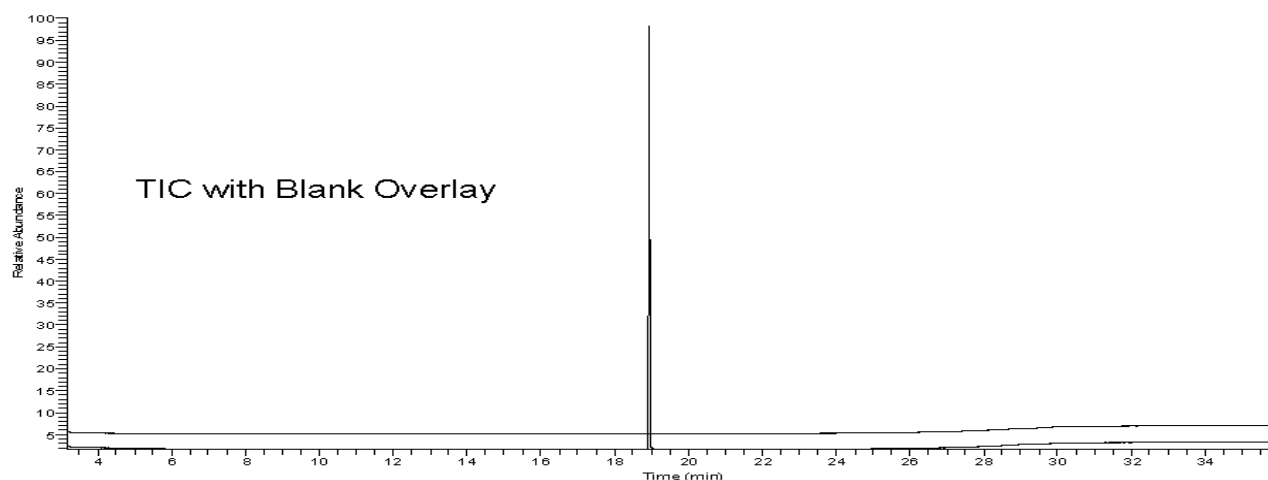
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Tetradecanoic acid, 1-methylethyl ester	18.93	100.00

^a Peaks comprising $\geq 0.5\%$ of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Acetone
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- μ m film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 7 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	25 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Split (100:1)
Run Time	36.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0, build 07/23/2008



06/24/10 #1896 RT: 18.93 AU: 1.50 23 18734887, 10-10-10-28 NL 67765
T: (0.01) + (-0.01) (0.00) Full mass (25.00-500.00)

