

Chemical Information:

Name: n-Heptanoic acid
CAS No.: 111-14-8
Tox21_ID No.: Tox21_201830
NTP_CID No.: 1045

Supplier: Sigma-Aldrich
Lot No.: 032K0168
MW: 130.18 g/mol

Date of Analysis: 11 July 2007

Purity and Identity Results:

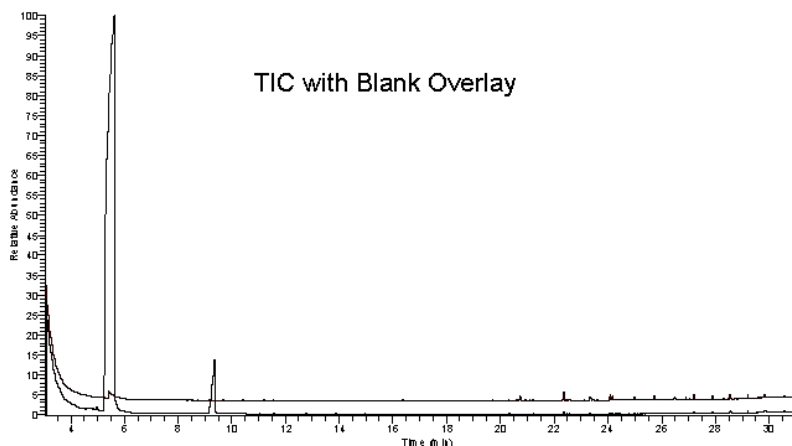
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.62	Not applicable
n-Heptanoic acid	9.37	99.47

^a Peaks comprising ≥ 0.5% of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	ThermoFinnigan TraceGC with ThermoFinnigan TraceMS / Electron Impact
Solvent	Dichloromethane (100 mM in DMSO, diluted 1/1000 with dichloromethane)
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25-μm 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 2 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	35 – 250 amu
Injector Temperature	250°C
Injection Volume / Mode	2 μL / Splitless
Run Time	31.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 1.7, build 11/5/1999

RT: 3.05 - 31.50 S.M. 30



0710107.DT0112012016#1066 RT: 9.37 AM: 1.8226
T: 0.01 + 0.01 (0.01) 1.8226 (35.00-250.00)

