

Chemical Information:

Name: Decanoic acid
CAS No.: 334-48-5
Tox21_ID No.: Tox21_202209
NTP_CID No.: 687

Supplier: Sigma-Aldrich
Lot No.: 1129483
MW: 172.26 g/mol

Date of Analysis: 12 July 2007

Purity and Identity Results:

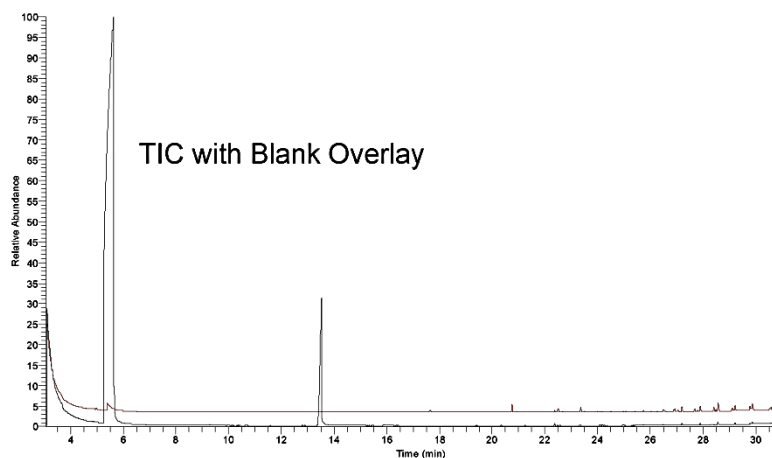
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.63	Not applicable
Decanoic acid	13.52	99.46

^a Peaks comprising $\geq 0.5\%$ 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- 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 2 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	35 – 250 amu
Injector Temperature	250°C
Injection Volume / Mode	2 μ L / 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 SM: 3G



07/12/2007 13:52 RT: 13.52 AU: 1 NL: 2.11E6
T: 0.0 - 0.01 (60-350.00 Full ms 135.00-350.00)

