

Date of Analysis: 10 July 2007

Supplier: Sigma-Aldrich
Lot No.: 045K1174
MW: 228.37 g/mol

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.63	Not applicable
Tetradecanoic acid	18.21	99.37

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

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

