

**Chemical Information:**

Name: Dimethylsuccinate

Date of Analysis: 30 August 2007

CAS No.: 106-65-0

Supplier: Acros Organics

Tox21\_ID No.: Tox21\_202189

Lot No.: 48993/4

NTP\_CID No.: 750

MW: 146.14 g/mol

**Purity and Identity Results:**

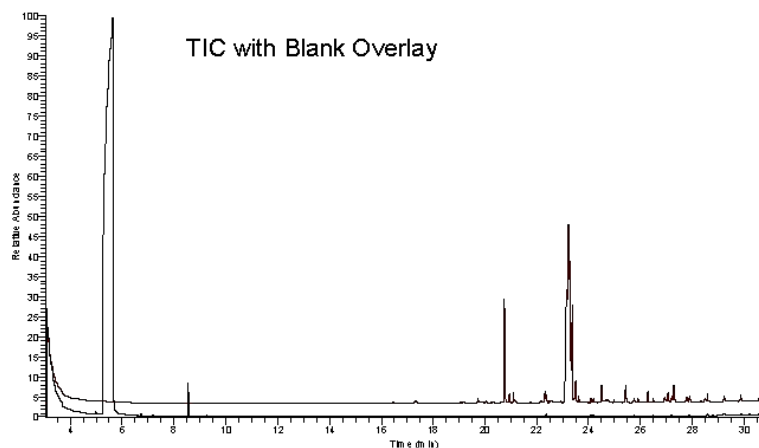
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.65	Not applicable
Unknown	7.71	2.04
Dimethylsuccinate	8.55	97.96

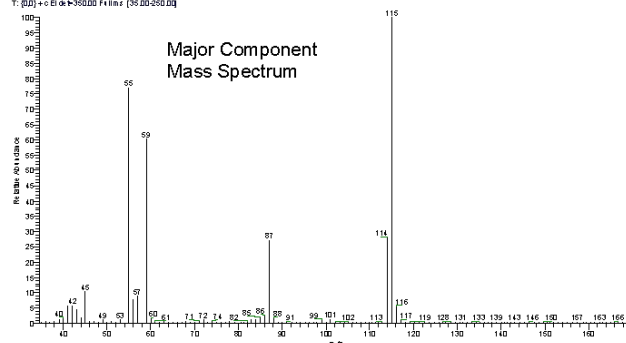
<sup>a</sup> Peaks comprising ≥ 0.5% of total area.

**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 - 31.45 SM: 30


07/10/08 09:14:52 RT: 8.55 AC: 1 NL: 1.3005  
T: (202) + c EtOAc-N-350.020 F+1000 (35.00-250.00)

**Major Component Mass Spectrum**

**NIST Reference Mass Spectrum**
