

Chemical Information:

Name: Methylglutaronitrile

Date of Analysis: 11 July 2007

CAS No.: 4553-62-2

Supplier: Sigma-Aldrich

Tox21_ID No.: Tox21_201788

Lot No.: 15320PA

NTP_CID No.: 954

MW: 108.14 g/mol

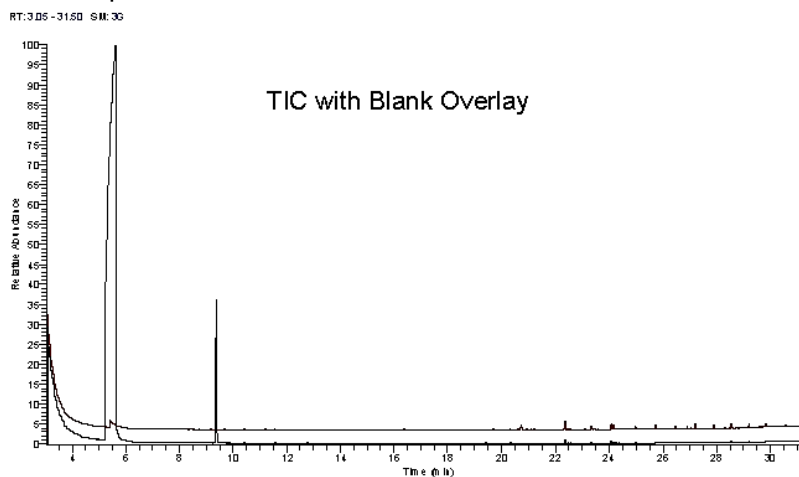
Purity and Identity Results:

| Peak Identity | Retention Time (min) | Purity (% Total Area) ^a |
|----------------------|----------------------|------------------------------------|
| DMSO | 5.62 | Not applicable |
| Methylglutaronitrile | 9.39 | 99.75 |

^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 |


07g1029_01071212424#1667 RT: 9.37 AC: 1 NL: 3.19E6
T: 6.0E+05 6.0E+05 6.0E+05 (35.00-250.00)
