

Chemical Information:

Name: Tetrabromophthalic anhydride
CAS No.: 632-79-1 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_200056 Lot No.: 17224BU
NTP_CID No.: 1327 MW: 643.70 g/mol

Date of Analysis: 03 July 2007

Purity and Identity Results:

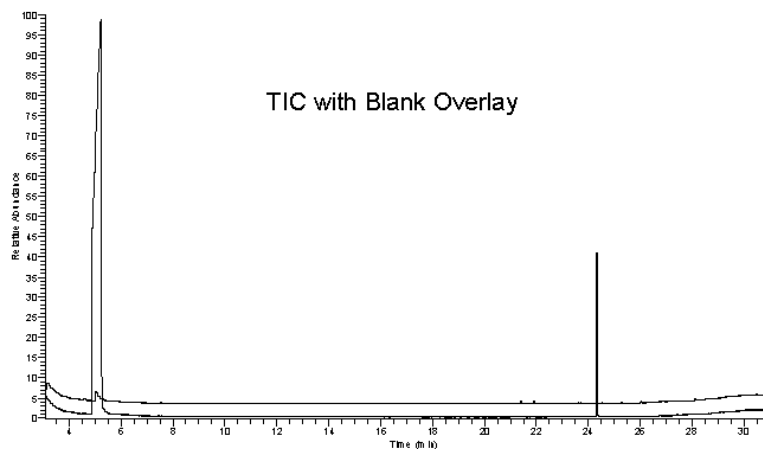
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.51	Not applicable
Unknown	23.30	0.55
Tetrabromophthalic anhydride	24.34	98.99

^a Peaks comprising ≥ 0.5% of total area.

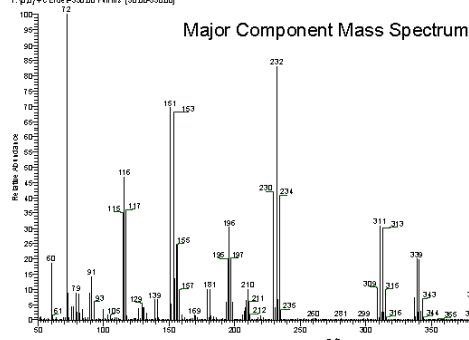
GC/MS Instrument Parameters:

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	50 – 550 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 - 31.49 SM: 30



07/07/07 #2509 RT: 24.33 PK: 1 NL: 5.6965
T: 0.02 + c EIC: 300.00 FWHM: 0.50 (30.00-30.00)



NIST Reference Mass Spectrum

