

Chemical Information:

Name: 3,3',5,5'-Tetramethylbenzidine
CAS No.: 54827-17-7 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_201500 Lot No.: 09620KC
NTP_CID No.: 291 MW: 240.34 g/mol

Date of Analysis: 18 April 2007

Purity and Identity Results:

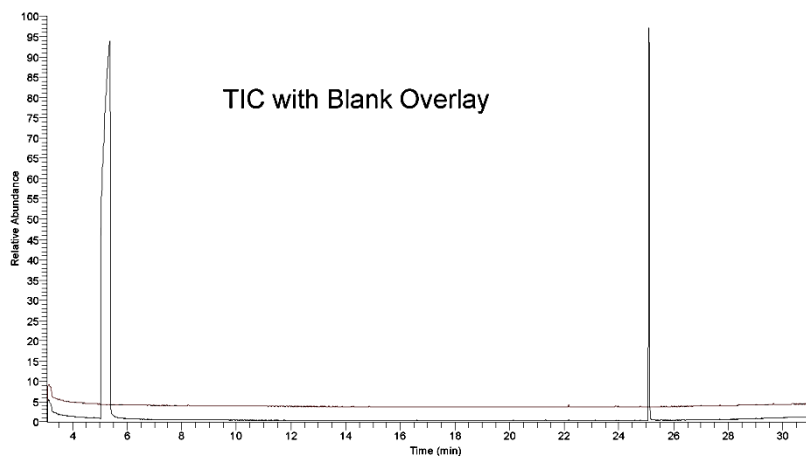
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.38	Not applicable
3,3',5,5'-Tetramethylbenzidine	25.11	99.90

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

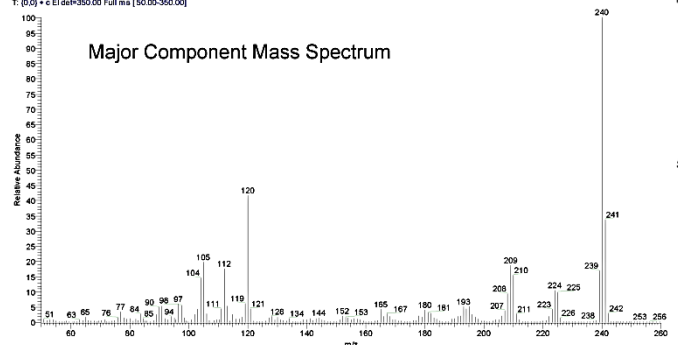
GC/MS Instrument Parameters:

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	50 – 350 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 - 31.49 SM: 3G



07/18/23 #2852 RT: 25.11 AU: 1 NL: 3.09E6
T: (0.0) * c Eide+350.00 Full res [50.00-350.00]



NIST Reference Mass Spectrum

