

Chemical Information:

Name: Ethyl-3-methyl-3-phenylglycidate
CAS No.: 77-83-8 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_201315 Lot No.: 04325KD
NTP_CID No.: 338 MW: 206.24 g/mol

Date of Analysis: 16 August 2007

Purity and Identity Results:

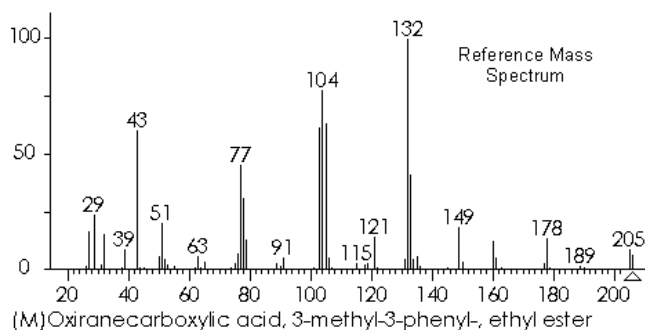
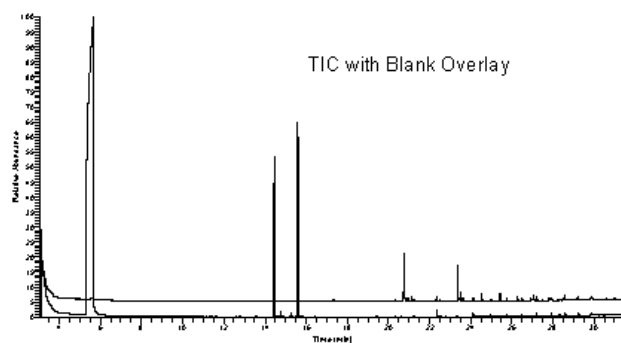
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.65	Not applicable
Ethyl-3-methyl-3-phenylglycidate	14.45	43.65
Ethyl-3-methyl-3-phenylglycidate	15.60	54.01

^a Peaks comprising ≥ 0.5% of total area.

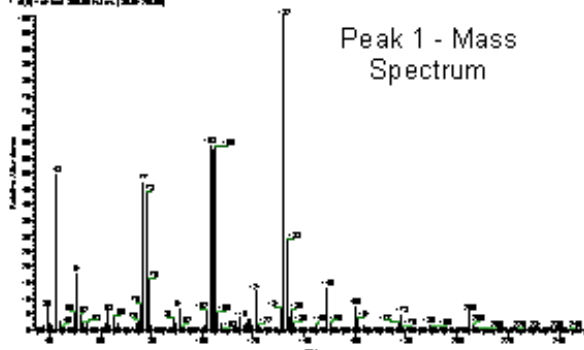
GC/MS Instrument Parameters:

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

RT: 14.45 - 15.60



RT: 14.45 - 15.60



RT: 15.60 - 16.75

