

Chemical Information:

Name: 2,4,5-T Isobutyl ester
CAS No.: 4938-72-1
Tox21_ID No.: Tox21_200319
NTP_CID No.: 146

Supplier: Sigma-Aldrich
Lot No.: 3317X
MW: 311.59 g/mol

Date of Analysis: 01 November 2007

Purity and Identity Results:

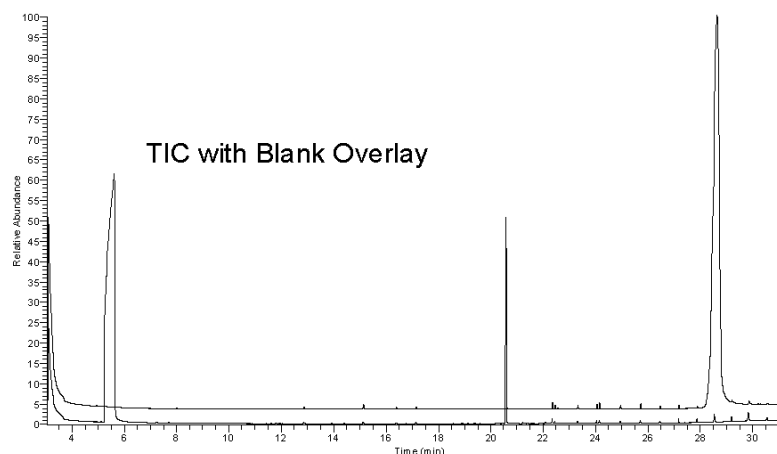
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.62	Not applicable
2,4,5-T Isobutyl ester	20.59	98.74
unknown	21.22	0.78

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

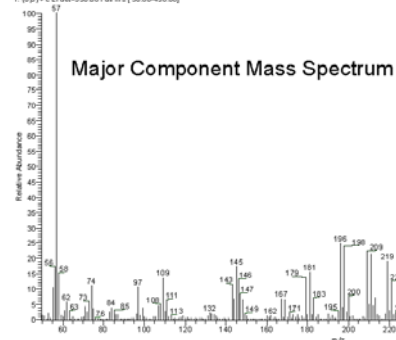
GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph / Mass Spectrometer / 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 – 450 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 - 31.50 SM 30



07/01/06 #2110 RT: 20.59 AU: 1 NL: 3.8366
T: (20.51) m/z 214.05000 Full m/z (50.00-450.00)



NIST Reference Mass Spectrum

