

**Chemical Information:**

Name: Ninhydrin  
 CAS No.: 485-47-2  
 Tox21\_ID No.: Tox21\_200705  
 NTP\_CID No.: 1053

Date of Analysis: 02 October 2007

Supplier: Sigma-Aldrich  
 Lot No.: 40920  
 MW: 178.14 g/mol

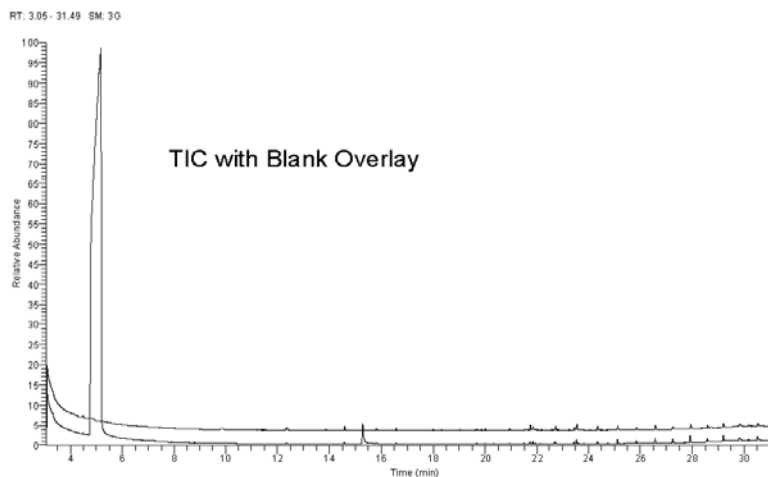
**Purity and Identity Results:**

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.17	Not applicable
Ninhydrin	15.29	96.62
unknown	18.35	0.71
unknown	20.33	0.69
unknown	22.14	0.79

<sup>a</sup> 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- $\mu$ 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 – 250 amu
Injector Temperature	250°C
Injection Volume / Mode	2 $\mu$ L / Splitless
Run Time	31.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 1.7, build 11/5/1999



07/02/01 #1473 RT: 15.29 AU: 1 NL: 3.51E5  
T: (0.0) - c: EI det: 250.00 Full ms (50.00-250.00)

