

# Chemical Information:

Name: Hydrastine  
CAS No.: 118-08-1  
Tox21\_ID No.: Tox21\_200686  
NTP\_CID No.: 855

Supplier: Sigma-Aldrich  
Lot No.: 081F0139  
MW: 383.39 g/mol

Date of Analysis: 12 July 2007

## Purity and Identity Results:

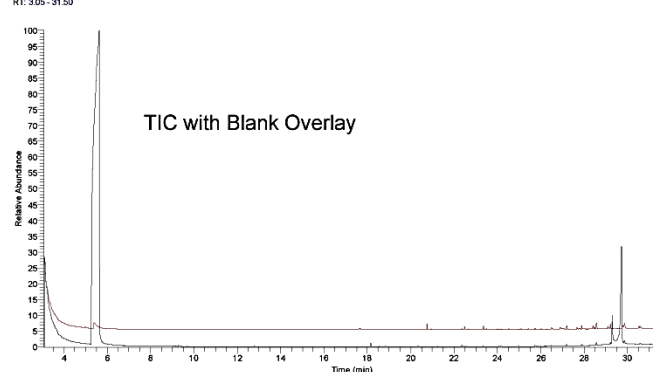
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.40	Not applicable
Hydrastine	29.30	15.43
Hydrastine	29.73	83.21

<sup>a</sup> Peaks comprising  $\geq 0.5\%$  of total area.

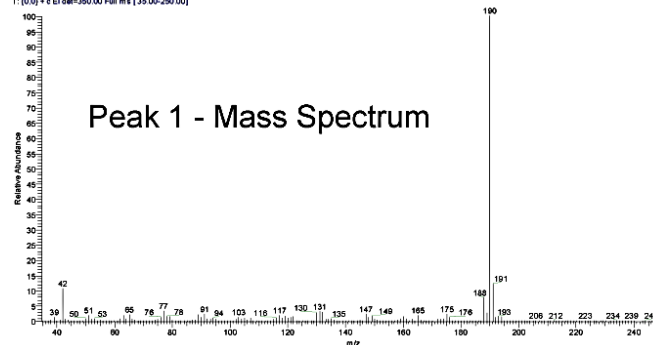
## GC/MS Instrument Parameters:

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- $\mu$ 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	35 – 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

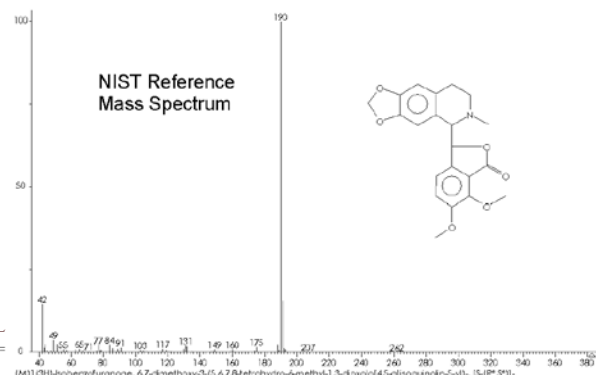
RT: 3.05 - 31.50



07012F24 #0881 RT: 29.29 AV: 1 SR: 2 29.25, 29.36 NL: 1.78E8  
T: (0.0) + e EI det#350.00 Full ms [35.00-250.00]



NIST Reference  
Mass Spectrum



07012F24 #0884 RT: 29.89 AV: 1 SR: 2 29.55, 29.81 NL: 2.72E8  
T: (0.0) + e EI det#350.00 Full ms [35.00-250.00]

