

### Chemical Information:

Name: Coumarin  
CAS No.: 91-64-5  
Tox21\_ID No.: Tox21\_202427  
NTP\_CID No.: 649

Supplier: Rhone Poulenc Inc  
Lot No.: 5H2003  
MW: 146.14 g/mol

Date of Analysis: 12 January 2009

### Purity and Identity Results:

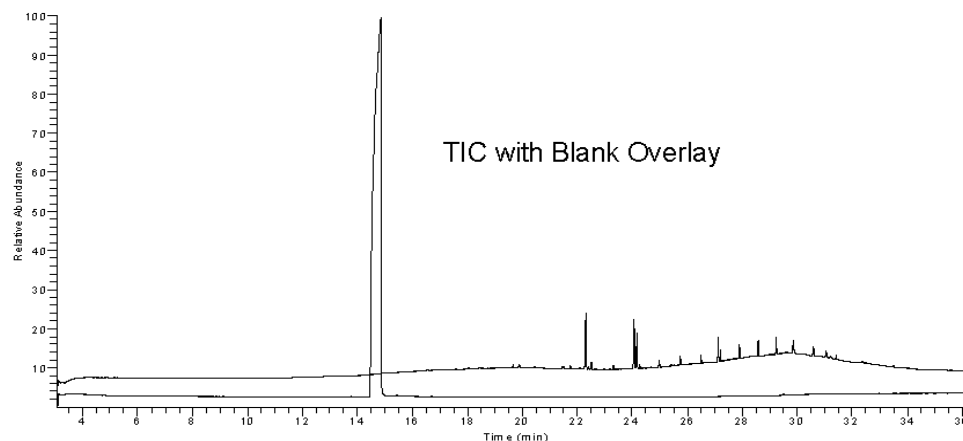
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Coumarin	14.85	99.57

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

### GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	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 7 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	25 – 350 amu
Injector Temperature	250°C
Injection Volume / Mode	2 $\mu$ L / Split (10:1)
Run Time	36.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0, build 7/23/2008

RT: 3.05 - 36.49 SM: 36



09a12009 #1377 RT: 14.48 AU: 1 SB: 2 14.45, 14.88 NL: 1.3358  
T: (0.0) = c EI det: 950.00 Full.ms [25.00-350.00]

