

# Chemical Information:

Name: 7-Diethylamino-4-methylcoumarin  
CAS No.: 91-44-1 Supplier: Sigma-Aldrich  
Tox21\_ID No.: Tox21\_201789 Lot No.: 11920DU  
NTP\_CID No.: 424 MW: 231.29 g/mol

Date of Analysis: 19 April 2007

# Purity and Identity Results:

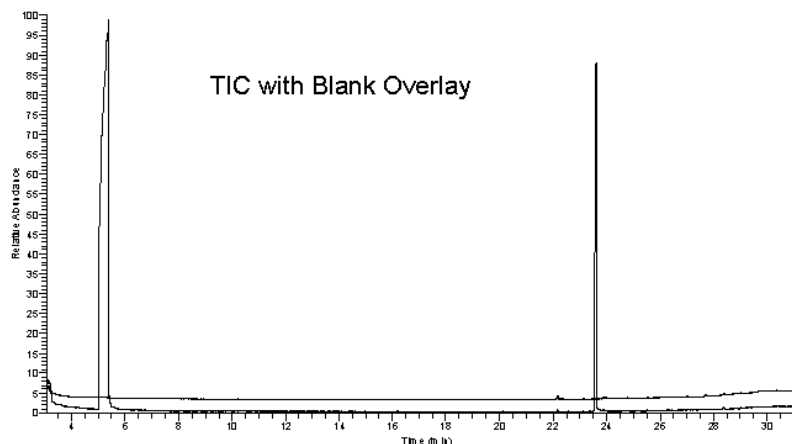
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.38	Not applicable
7-Diethylamino-4-methylcoumarin	23.60	100.00

<sup>a</sup> Peaks comprising ≥ 0.5% of total area.

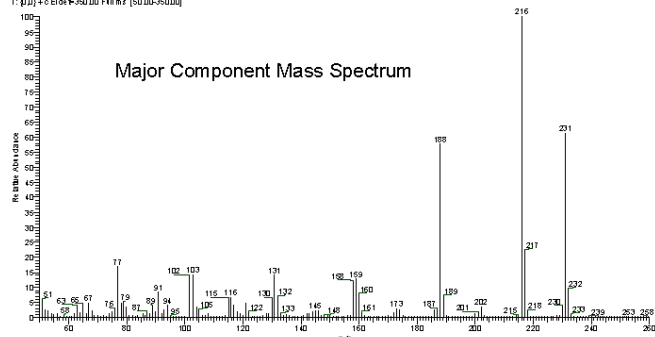
# GC/MS Instrument Parameters:

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	50 – 350 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: 3.05 - 31.50 SM: 3G



07/01/07 10:41:11 RT: 23.60 AC: 1 NL: 3.1266  
T: (D) + c E (d) 1-350.00 File: 150.00-350.00



# NIST Reference Mass Spectrum

