

Chemical Information:

Name: 5-Methoxypsoralen
CAS No.: 484-20-8
Tox21_ID No.: Tox21_202357
NTP_CID No.: 409

Supplier: Sigma-Aldrich
Lot No.: 08818KC
MW: 216.19 g/mol

Date of Analysis: 24 October 2007

Purity and Identity Results:

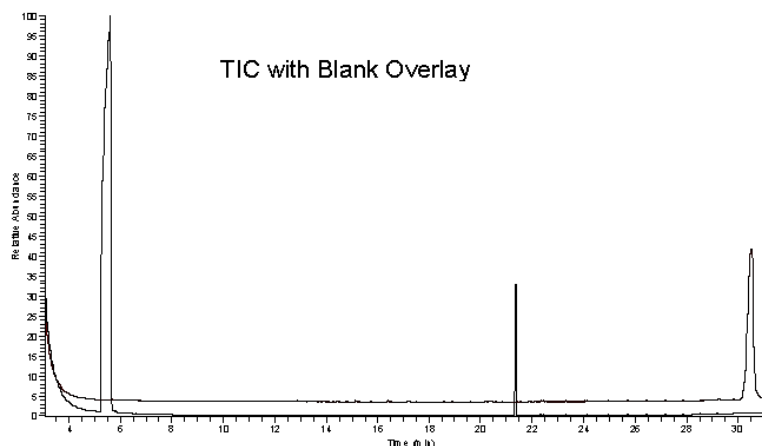
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.61	Not applicable
5-Methoxypsoralen	21.35	99.52

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

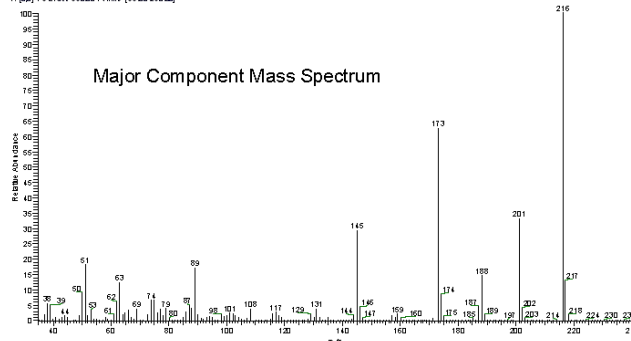
GC/MS Instrument Parameters:

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	35 – 250 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 - 31.51 SM: 3G



DT12404 #4801 RT: 21.34 AU: 1.08.2 21.29, 21.46 NL: 2.2265
T: 300.000 E: 10000000.000 F: 1000.000 (30.00-250.00)



NIST Reference Mass Spectrum

