

# Chemical Information:

Name: Gemfibrozil  
CAS No.: 25812-30-0  
Tox21\_ID No.: Tox21\_201997  
NTP\_CID No.: 826

Date of Analysis: 29 March 2010

Supplier: Sigma-Aldrich  
Lot No.: 097K1312  
MW: 250.33 g/mol

## Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>	Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
unknown	3.42	2.69	unknown	3.87	2.04
Pentane, 2,3,4-trimethyl-	3.69	5.07	Gemfibrozil	20.34	86.10
unknown	3.76	4.10			

<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 (~ 1 mg/mL)
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 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 $\mu$ L / Split (100:1)
Data Analysis Software	Xcalibur ver. 1.2, and NIST Library ver 2.0f, build 10/08/2008

