

Chemical Information:

Name: 17beta-Estradiol

Date of Analysis: 24 February 2009

CAS No.: 50-28-2

Supplier: Spectrum Chemical Mfg. Corp.

Tox21_ID No.: Tox21_202057

Lot No.: KB183

NTP_CID No.: 73

MW: 272.4 g/mol

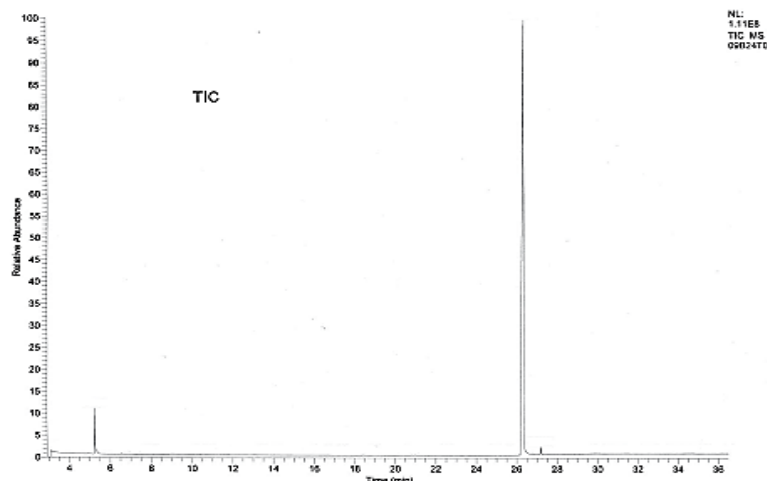
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Acetone	5.23	Not applicable
17beta-Estradiol	26.35	99.16
unknown	27.20	0.84

^a Peaks comprising ≥ 0.5% of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Acetone (~ 1 mg/mL)
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 7 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	25 – 350 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / 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


06824104 #2783 RT: 26.20 AU: 1 SB: 2.28.16, 28.41 NL: 2.81E5
T: (0.0) + c EI det=350.00 Full ms [25.00-350.00]
