

Chemical Information:

Name: trans-Stilbene
CAS No.: 103-30-0
Tox21_ID No.: Tox21_202726
NTP_CID No.: 6356
Supplier: Sigma Aldrich
Lot No.: MKBF1386V
MW: 180.25 g/mol

Date of Analysis: 10 March 2017

Purity and Identity Results:

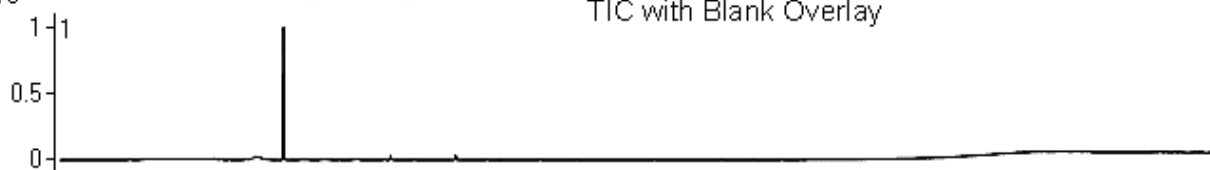
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
trans-Stilbene	23.69	99.53

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

GC/MS Instrument Parameters:

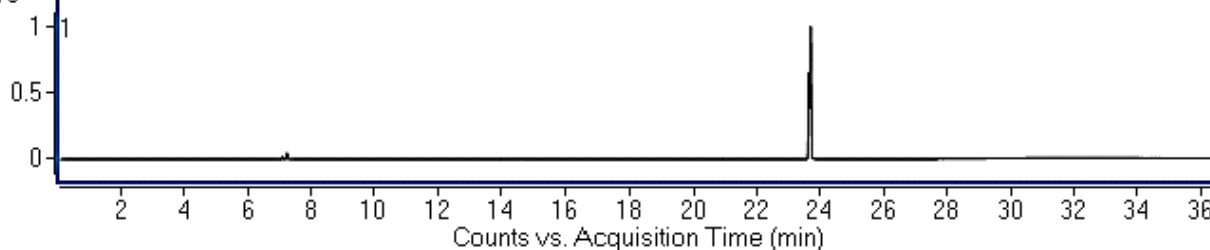
Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Methanol
Column	Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1- μ m film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 7 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	40 – 640 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Splitless
Data Analysis Software	MassHunter GC/MS Acquisition B.07.02.1938 / MassHunter Qualitative Analysis B.07.00 Build 7.0.7024.0 / NIST Library Version 2.2 Build 2014

x10² + TIC Scan 20170310_MSD11_007.D

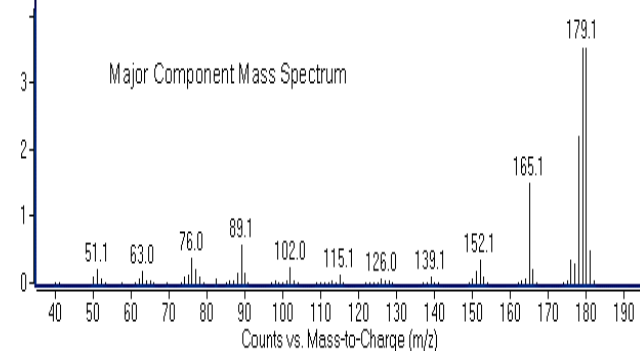


TIC with Blank Overlay

x10² + TIC Scan 20170310_MSD11_020.D



x10⁶ (E)-Stilbene: + Scan (rt. 23.665, 23.671, 23.678, 23.685 ... min. 8 scans) 20170310_MSD11_02...



NIST Reference Mass Spectrum

