

Chemical Information:

Name: 4-Nitrochalcone
CAS No.: 1222-98-6
Tox21_ID No.: Tox21_202976
NTP_CID No.: 6603
Supplier: Sigma Aldrich
Lot No.: S24981
MW: 253.25 g/mol

Date of Analysis: 16 March 2017

Purity and Identity Results:

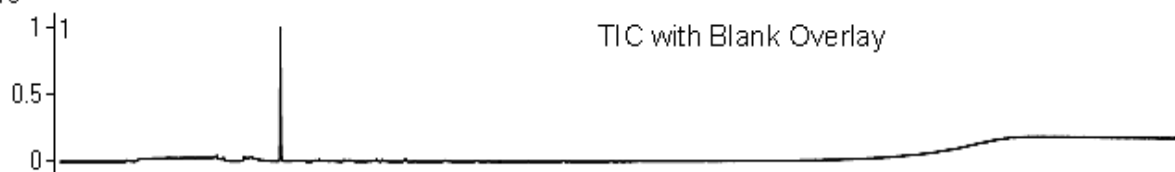
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
4-Nitrochalcone	31.43	100.00

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

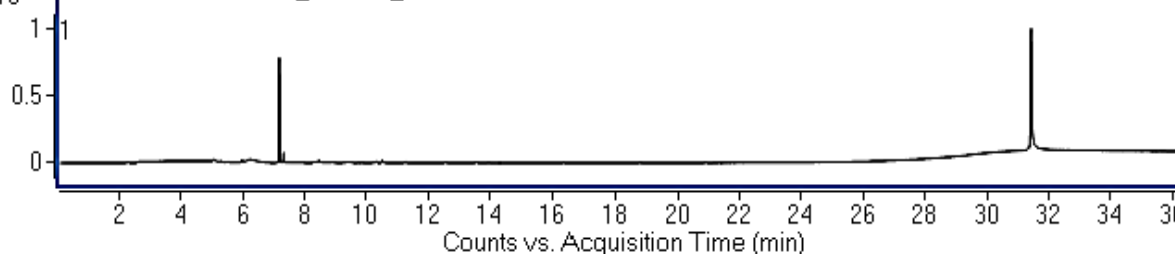
GC/MS Instrument Parameters:

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 – 655 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 20170316_MSD11_006.D



x10² + TIC Scan 20170316_MSD11_015.D



x10⁵ 2-Propen-1-one, 3-(4-nitrophenyl)-1-phenyl-: + Scan (rt: 31.384, 31.391, 31.398, 31.405 ... min, 21...

