

**Chemical Information:**

Name: Nalidixic acid  
CAS No.: 389-08-2  
Tox21\_ID No.: Tox21\_201477  
NTP\_CID No.: 1024

Supplier: Sigma-Aldrich  
Lot No.: 104K0622  
MW: 232.24 g/mol

Date of Analysis: 26 June 2007

**Purity and Identity Results:**

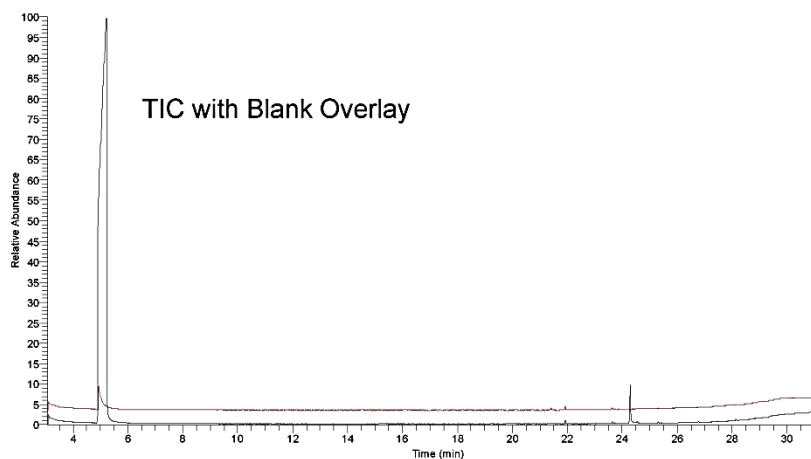
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>	Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.23	Not applicable	unknown	19.20	0.54
unknown	15.15	1.42	Nalidixic acid	24.30	97.33
unknown	18.95	0.72			

<sup>a</sup> Peaks comprising  $\geq 0.5\%$  of total area.

**GC/MS Instrument Parameters:**

Instrument / Ionization	ThermoFinnigan TraceGC with ThermoFinnigan TraceMS / 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- $\mu$ 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 2 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	50 – 350 amu
Injector Temperature	250°C
Injection Volume / Mode	2 $\mu$ 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 - 31.49 SM: 3G



072626 #2563 RT: 24.29 AL: 1 NL: 3.72E5  
17.0(0.1) \* c:\data\050507 Full.ms [50.00-350.00]

