

# Chemical Information:

Name: 2,4-Difluoroaniline

Date of Analysis: 4 Apr 2007

CAS No.: 367-25-9

Supplier: Sigma-Aldrich

Tox21\_ID No.: Tox21\_200620

Lot No.: 10605MC

NTP\_CID No.: 168

MW: 129.11 g/mol

## Purity and Identity Results:

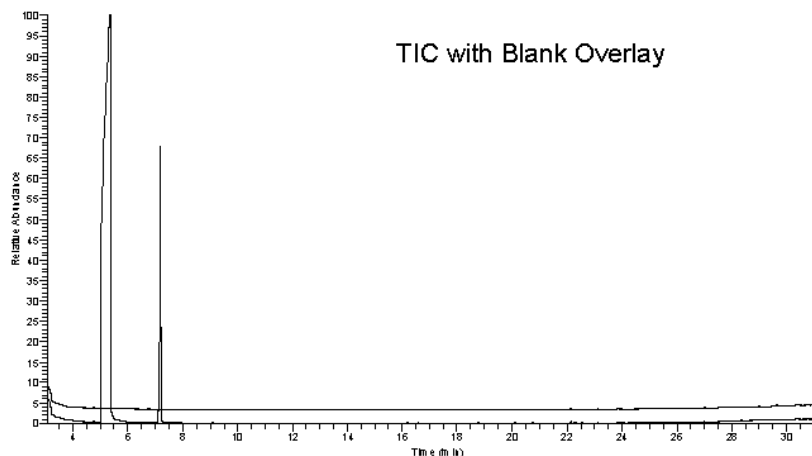
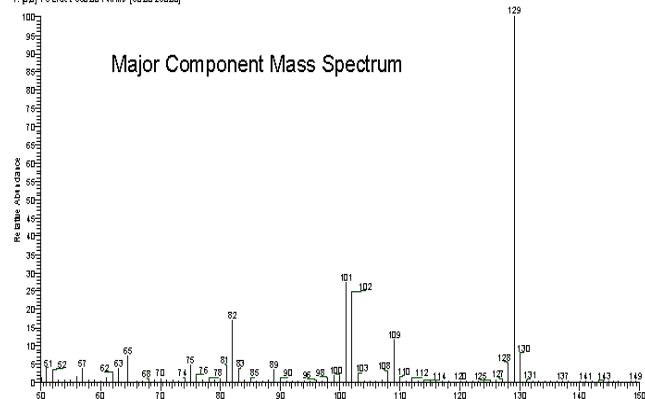
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.35	Not applicable
2,4-Difluoroaniline	7.18	99.76

<sup>a</sup> Peaks comprising ≥ 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-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 2 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	50 – 250 amu
Injector Temperature	250°C
Injection Volume / Mode	2 μL / 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 - 31.50 SM: 30


07:40:17 #499 RT: 7.16 AB: 1.58 2.71 7.23 NL: 27265  
T: (p2) +0.016 +300.00 Full MS (50.00-200.00)


## NIST Reference Mass Spectrum

