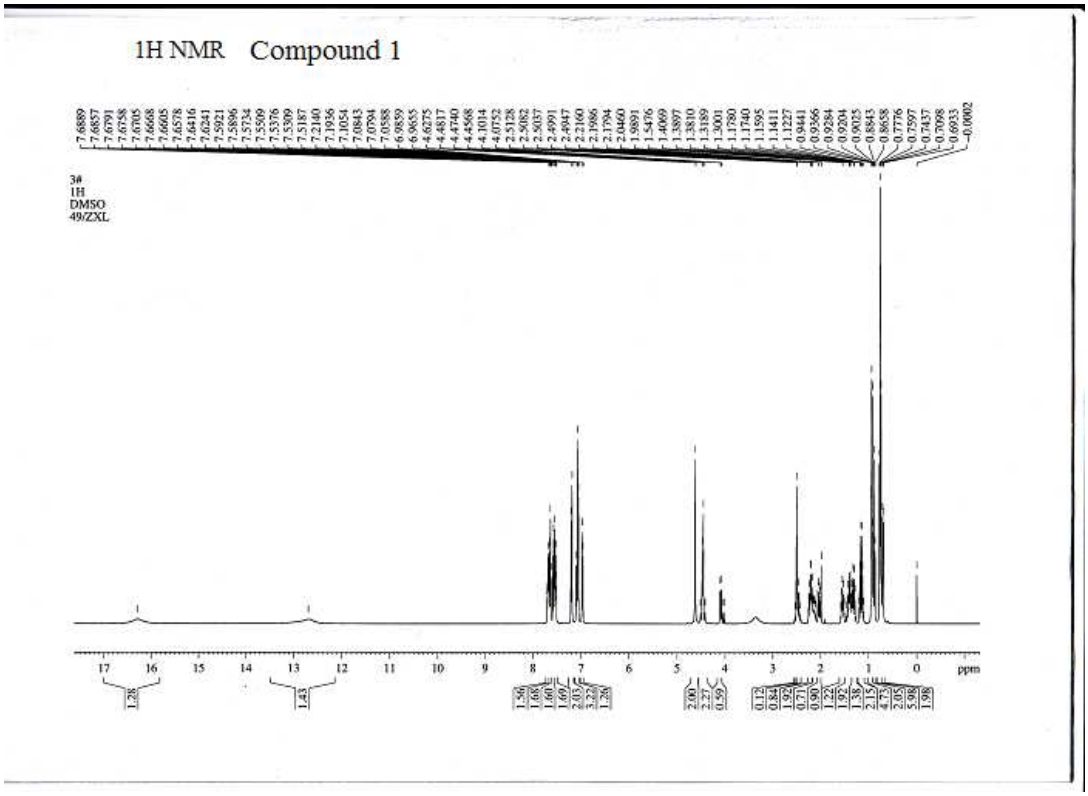
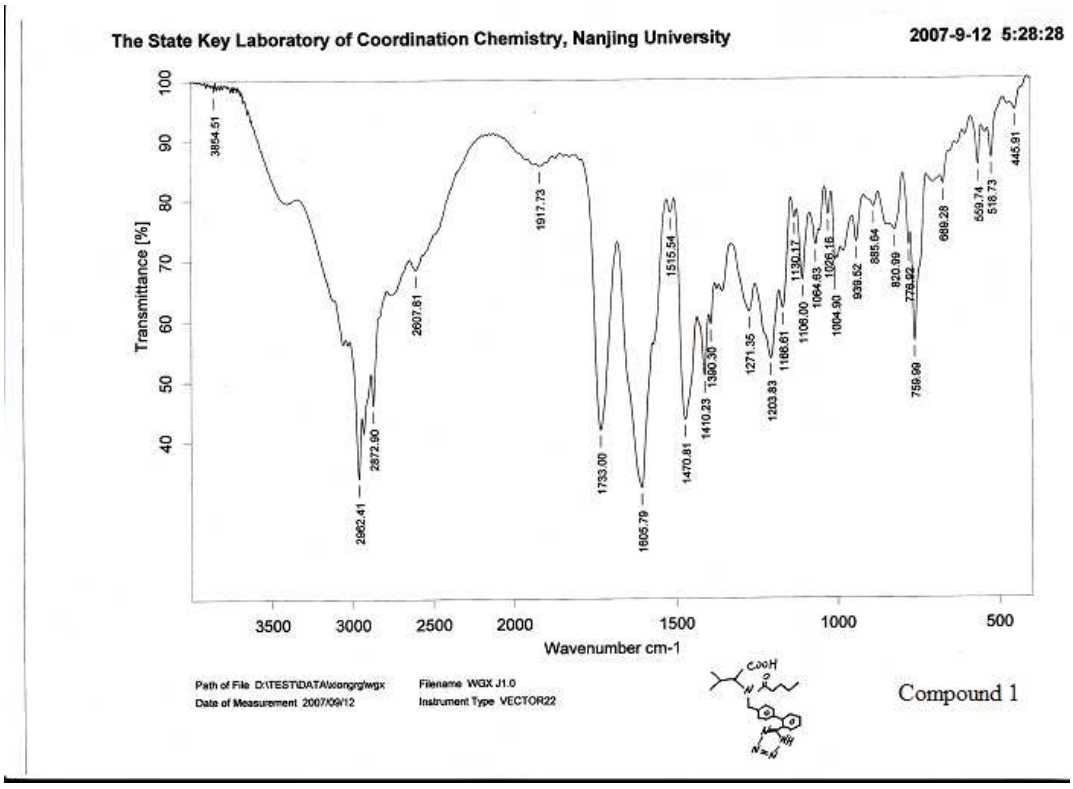
Data of related compounds:

1. Compound 1 (^{1}H NMR, IR, HPLC, ee, ESI-MS)



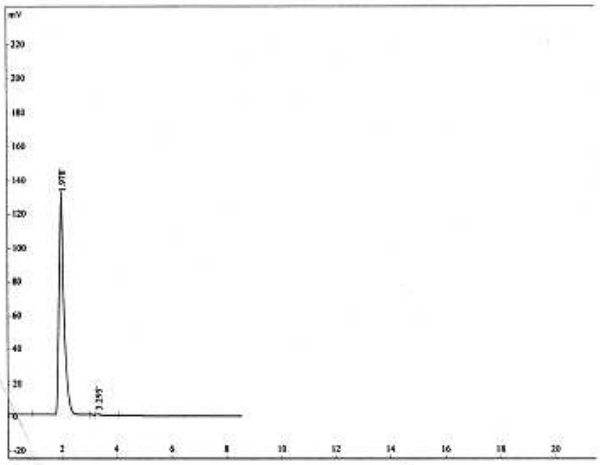


HPLC Compound 1

Valsartan

打印时间：2007年9月19日，10时27分
进样时间：2007年9月19日，10时18分

打开的谱图文件：D:\何翠翠\070919\wgx-918.hw



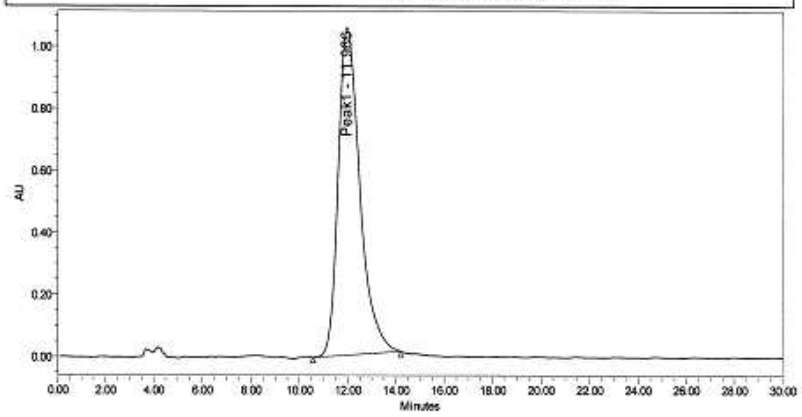
序号	保留时间	名称	峰面积%	峰面积
1	1.978		99.62	1654121
2	3.295		0.3728	6190
总计			100	1660311

Project Name sun2010
Reported by User: Breeze ÓÅ»§ (Breeze)

Breeze 2 HPLC System

SAMPLE INFORMATION

Sample Name:	3#	Acquired By:	Breeze
Sample Type:	Unknown	Date Acquired:	5/5/2011 12:06:31 PM CST
Vial:	3	Acq. Method:	pro12 08 220
Injection #:	1	Date Processed:	5/5/2011 2:27:56 PM CST
Injection Volume:	10.00 ul	Channel Name:	W2489 ChA
Run Time:	30.00 Minutes	Channel Desc.:	W2489 ChA 254nm
		Sample Set Name	20110505OD



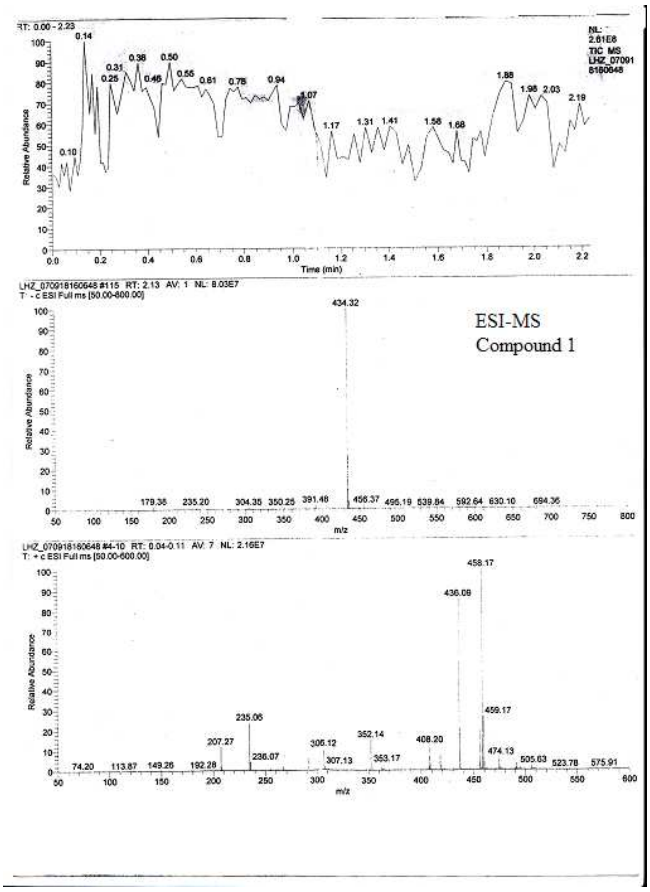
	Peak Name	RT (min)	Area (µV*sec)	% Area	Height (µV)	% Height
1	Peak1	11.966	65896487	100.00	1055254	100.00

Report Method: System Performance Report
Page: 1 of 1

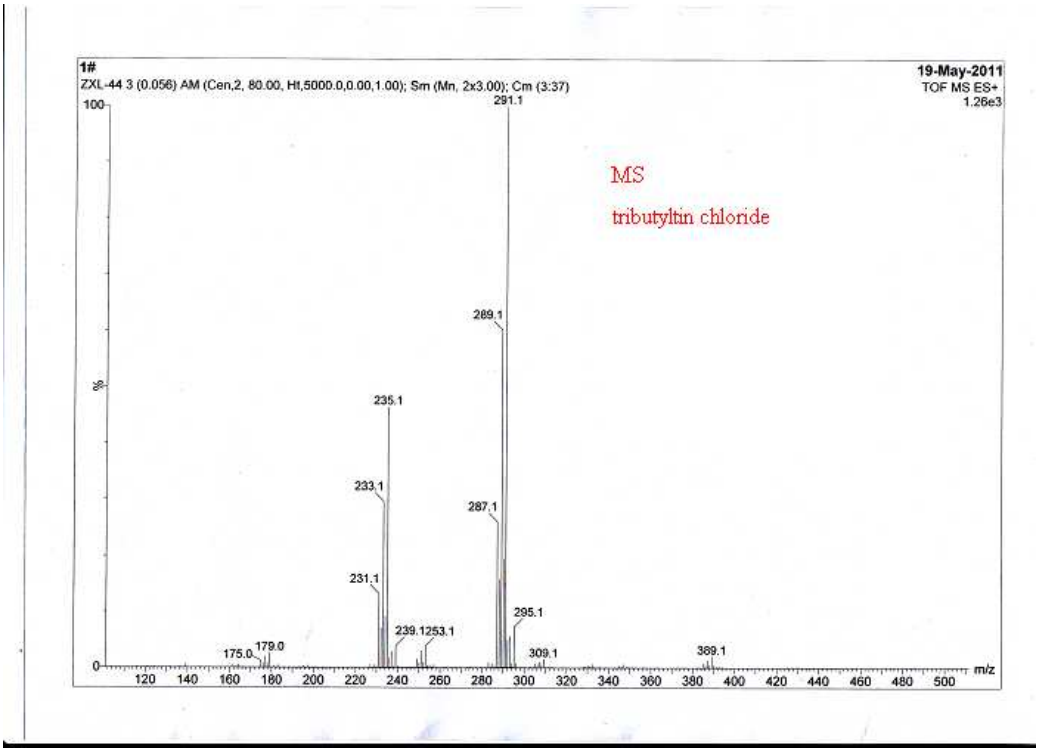
Printed: 5/5/2011
2:28:02 PM PRC

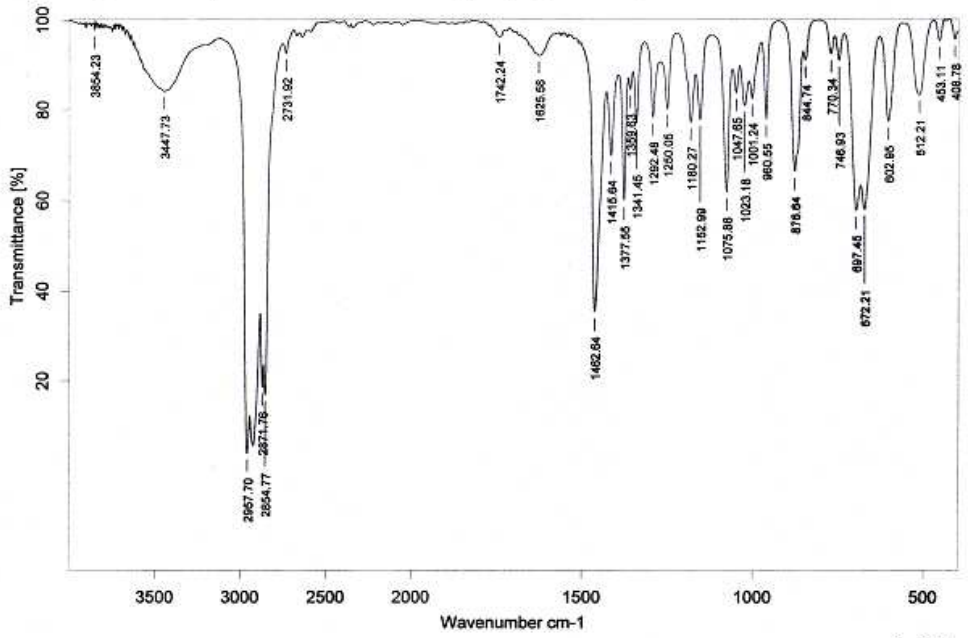
HPLC Conditions for Enantiomer Purity of Valsartan are listed below.
Instrument: Water, Breeze 2
Column: Chiralcel OD-H
Detection: UV, 220 nm
Flow: 0.8 mL/min
Injection volume: 10 µL
Run time: 30 min
Mobile phase: the ratio of n-hexane and isopropyl alcohol is 850:150
Retention time of valsartan: ~12 min

The enantiomeric purity of the crystallized Valsartan prepared in our experiments is nearly 100%. The peak occurred in 4 min can be attributed to the solvent peak in dead time.



2. Recovered tri-*n*-butyltin chloride （MS, IR, GC）



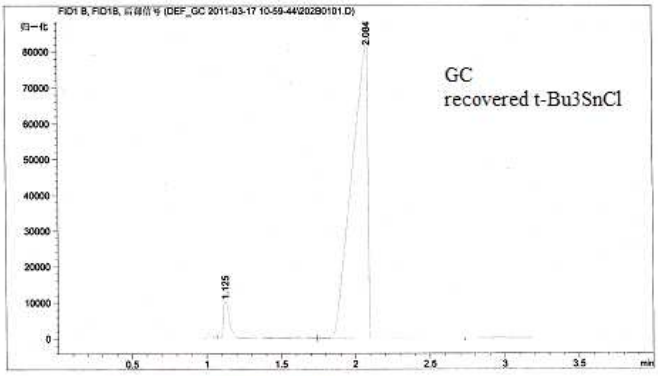


Path of File D:\Search\TEST\DATA\Xiong RG\wgx Filename wgx-9-25-2.0
Date of Measurement 2007/09/25 Instrument Type VECTOR22

F → Cl tBu3SnCl

样品名称: wang1

操作者 : y y z 序列行 : 1
仪器 : 仪器 2 位置 : 样品瓶 202
进样日期 : 2011-3-17 11:00:56 进样次数 : 1
进样量 : 1 ul
采集方法 : C:\CHEM32\2\DATA\DEF_GC 2011-03-17 10-59-44\分流-FID 2 YU.M
最后修改 : 2011-3-17 10:59:44 : y y z
分析方法 : C:\CHEM32\2\METHODS\分流-FID 2 YU.M
最后修改 : 2011-4-2 10:58:07 : y y z
(调用后修改)
方法信息 : 分流进样口-分流yu0902-FID



面积百分比报告

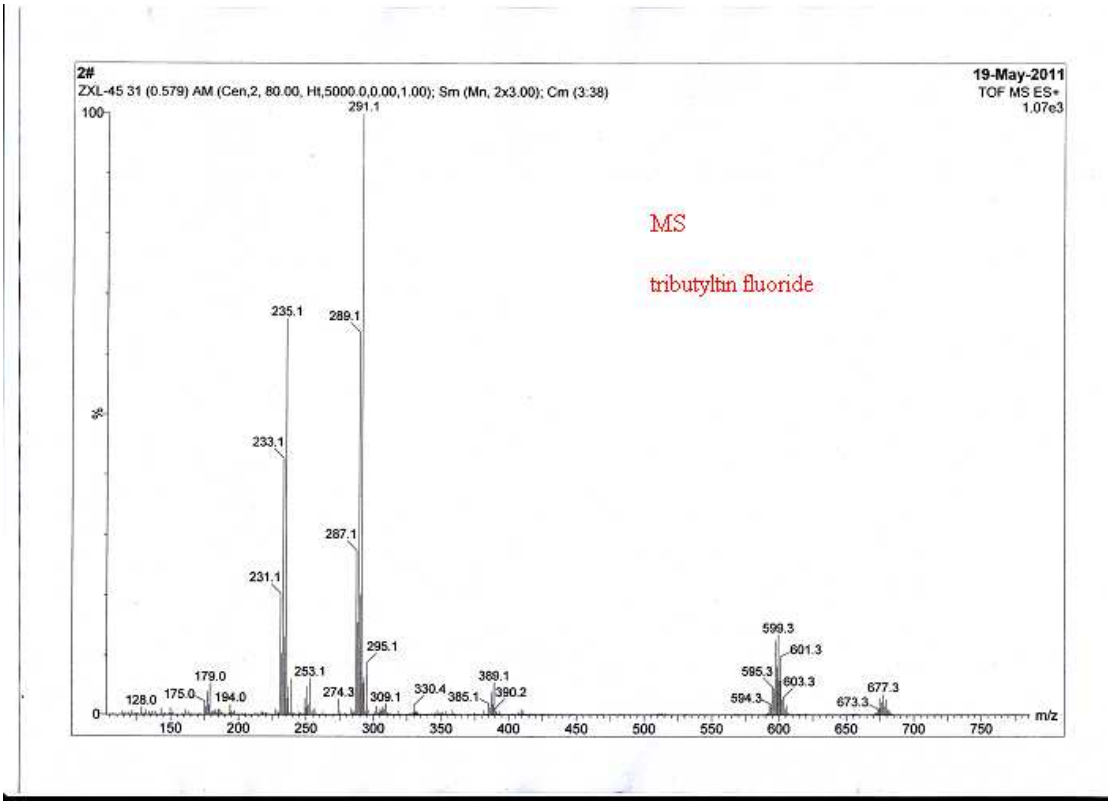
排序 : 信号
乘积因子: : 1.0000
稀释因子: : 1.0000
内标中不使用乘积因子和稀释因子

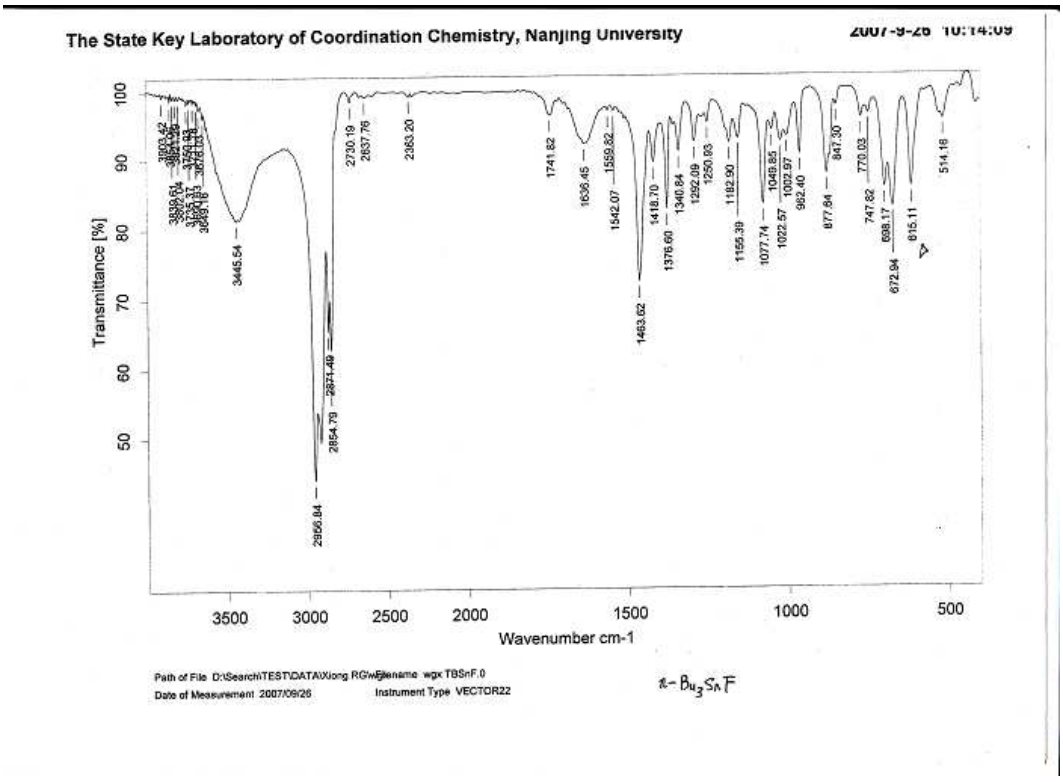
信号 1: FID1 B, FID1B, 后部信号

峰 #	保留时间 [min]	类型	峰宽 [min]	峰面积 [pA*s]	峰高 [pA]	峰面积 %
1	1.125	VV S	0.0466	3.02022e4	1.01810e4	4.74003
2	2.084	VB S	0.0924	6.06971e5	8.29536e4	95.25997
总量 :				6.37173e5	9.31346e4	

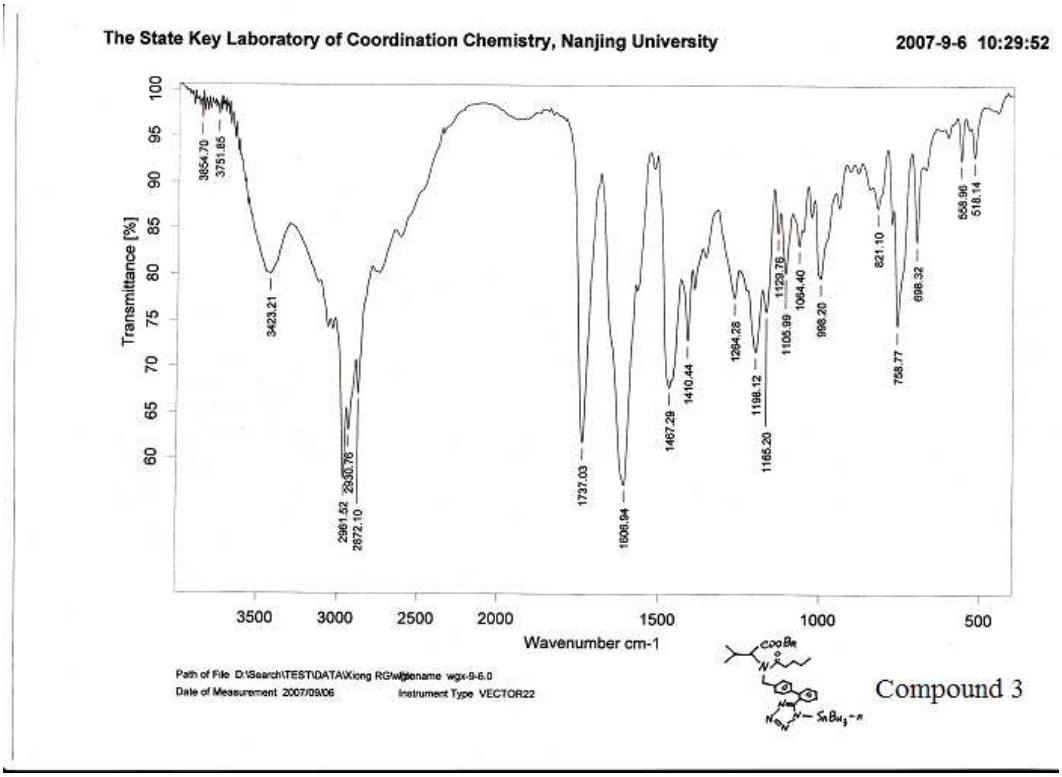
*** 报告结束 ***

3. tri-*n*-butyltin fluoride （MS, IR）





4. Compound 3 (IR）



5. Compound 2 (MS, IR)