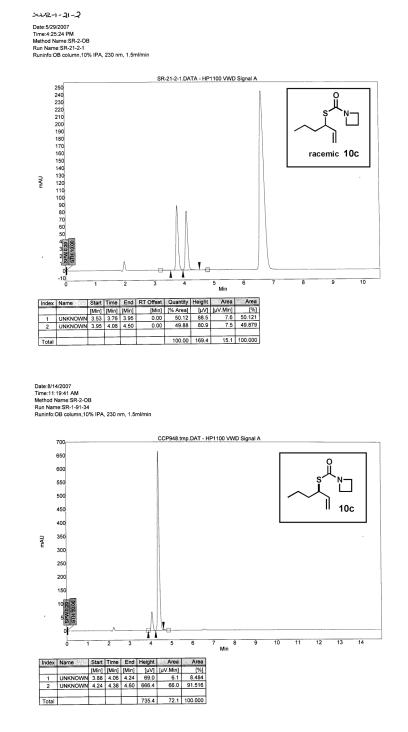
## Catalytic Asymmetric Synthesis of Allylic Thiol Derivatives

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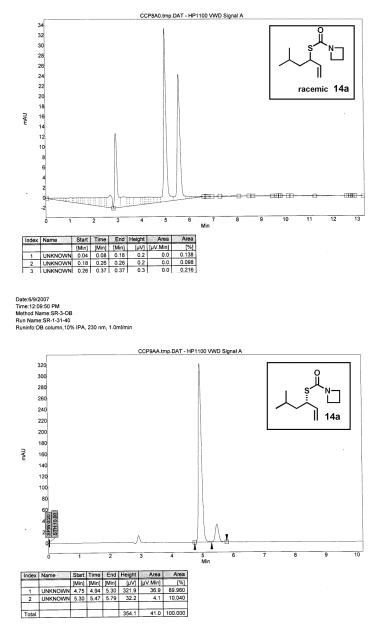
## **Supporting Information – Table of Contents**

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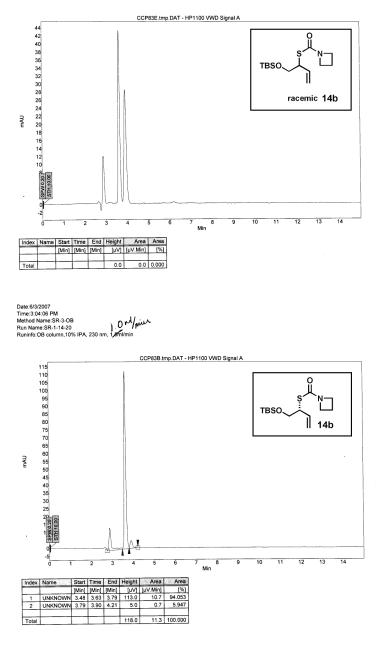


## SFC and GC Traces used to Determine Enantiomeric Purity.

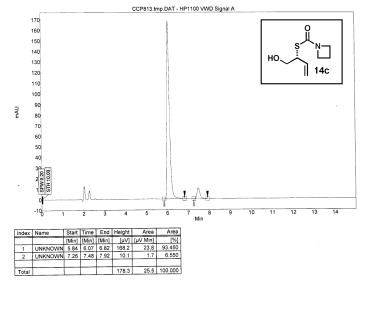




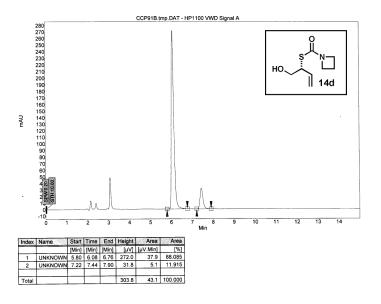
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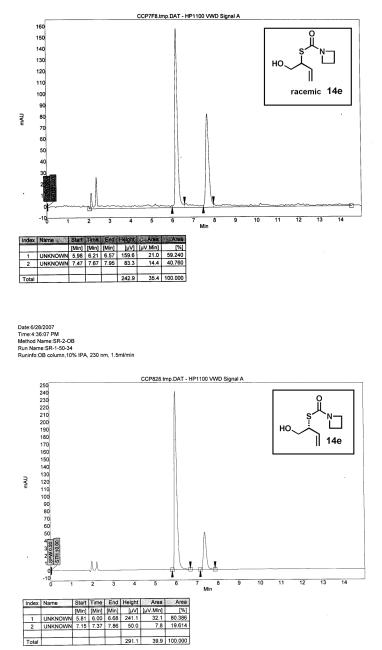




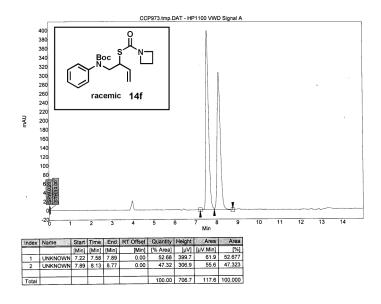
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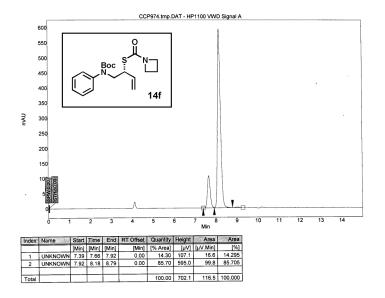




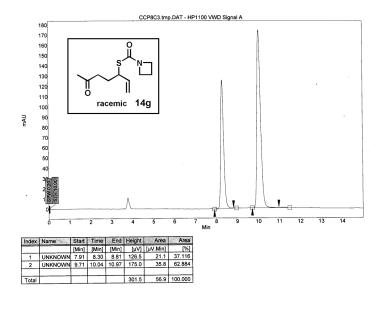
Date:9/25/2007 Time:9:33:52 AM Method Name:SR-2-AD Run Name:SR-1-31-AD-10 Runinfo:AD column,10% IPA, 230 nm, 1.5ml/min



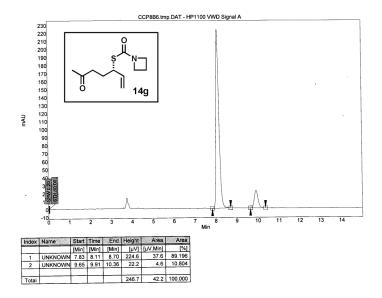
Date:9/25/2007 Time:9:44:38 AM Method Name:SR-2:AD Run Name:SR-1:132:AD-60 Runinfo:AD column,10% IPA, 230 nm, 1.5ml/min

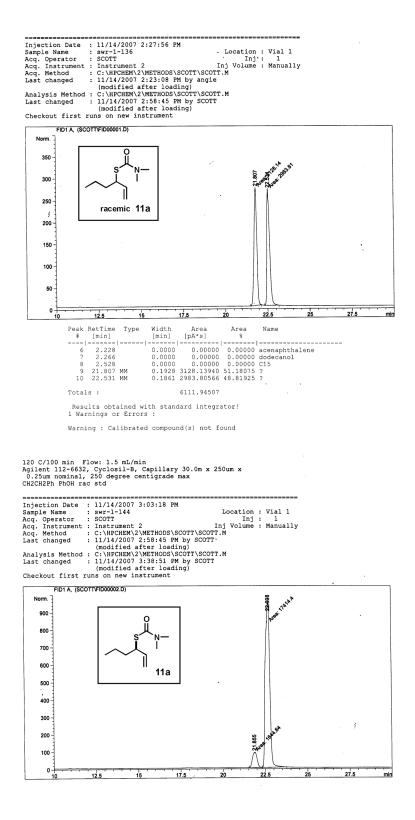


Date:9/20/2007 Time:11:29:46 AM Method Name:SR-2-OB Run Name:SR-1:127-45 Runinfo:OB column,10% IPA, 230 nm, 1.5ml/min



Date:9/20/2007 Time:10:52:04 AM Method Name:SR-2-OB Run Name:SR-1:126-45 Runinfo:OB column,10% IPA, 230 nm, 1.5ml/min



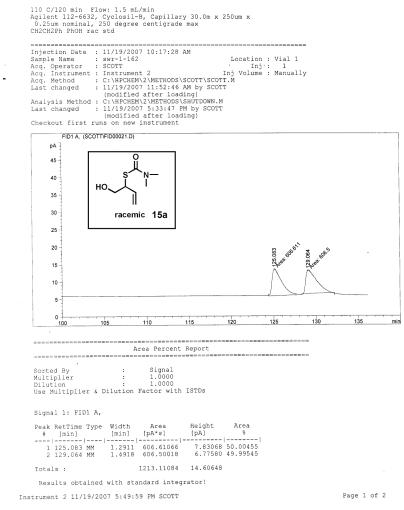


Peak #	RetTime [min]	Туре	Width [min]	Area [pA*s]	Area %	Name	
6	2.228		0.0000	0.00000	0.00000	acenaphthalene	
7	2.266		0.0000	0.00000	0.00000	dodecanol	
8	2.528		0.0000	0.00000	0.00000	C15	
9	21.855	MM	0.3119	1644.63892	8.62919	?	
10	22.698	MM	0.3022	1.74144e4	91.37081	?	
Total	ls :			1.90590e4			
Results obtained with standard integrator! l Warnings or Errors :							

Warning : Calibrated compound(s) not found

## Data File C:\HPCHEM\2\DATA\SCOTT\FID00021.D

Sample Name: swr-1-162



```
Sample Name: swr-1-164
Data File C:\HPCHEM\2\DATA\SCOTT\FID00023.D
      110 C/160 min Flow: 1.5 mL/min
Agilent 112-6632, Cyclosil-B, Capillary 30.0m x 250um x
0.25um nominal, 250 degree centigrade max
CH2CH2Ph Ph0H rac std
     Injection Date : 11/19/2007 2:57:39 PM

Sample Name : swr-1-164 Location : Vial 1

Acq. Operator : SCOTT . Inj : 1

Acq. Instrument : Instrument 2 Inj Volume : Manually

Acq. Method : C:\HFCHEM\2\METHODS\SCOTT\SCOTT.M

Last changed : 11/19/2007 2:56:27 PM by SCOTT

(modified after loading)

Analysis Method : C:\HFCHEM\2\METHODS\SUDTONN.M

Last changed : 11/19/2007 5:33:47 PM by SCOTT

(modified after loading)

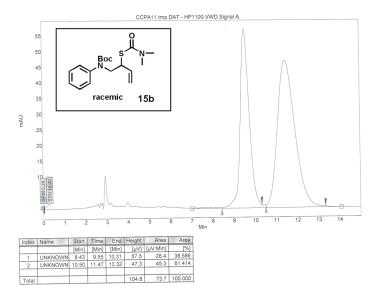
Checkout first runs on new instrument
      FID1 A, (SCOTT\FID00023.D)
             pА
             45
                                           ö
             40
                             HC
              35
                                          || 15a
                                                                                                   1680.11
              30
                                                                                              229
             25
              20 -
                                                                                                                     129,154
              15
                                                                                                                 29.956
              10
               5
               0+100
                                                                                       125
                                                                                                            130
                                                                                                                               135
                                                                             120
                                                                                                                                             min
                                105
                                               110
                                                            115
       Area Percent Report
       Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs
       Signal 1: FID1 A,
       1815.86198 17.85376
        Totals :
         Results obtained with standard integrator!
```

Instrument 2 11/19/2007 5:34:11 PM SCOTT

-

Page 1 of 2

Date:1/16/2008 Time:10.59:53 AM Method Name:SR-3-OB Run Name:SR-1-155-251 Runinfo:OB column,10% of a 1:1 Hex.IPA, 230 nm, 1.0ml/min



Date:1/16/2008 Time:11:32:09 AM Method Name:SR-3-OB Run Name:SR-1-154:211 Runinfo:OB column,10% of a 1:1 Hex:IPA, 230 nm, 1.0ml/min

