Enantiomeric scaffolding of α -tetralone and related scaffolds by

EKR (Enzymatic Kinetic Resolution) and stereoselective

ketoreduction with ketoreductases

Rajib Bhuniya and Samik Nanda*

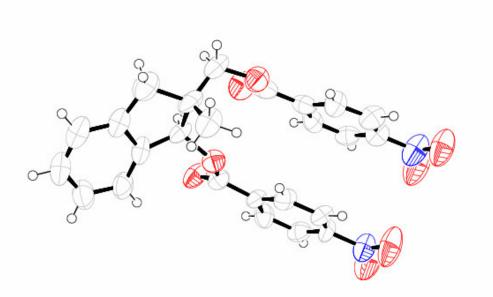
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Supporting Information Part II

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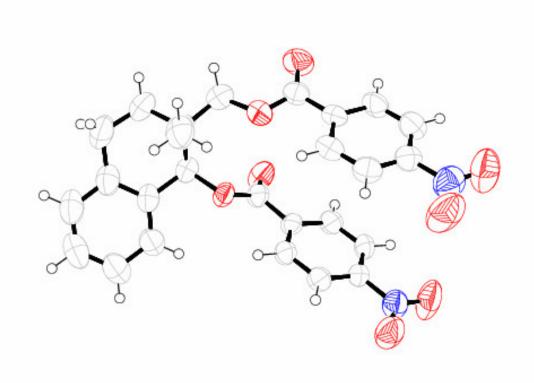
X-ray crystal data of bis-paranitrobenzoate derivative of compound **27** (the following crystal has been deposited at the Cambridge Crystallographic Data Centre and has the deposition number CCDC 830578.



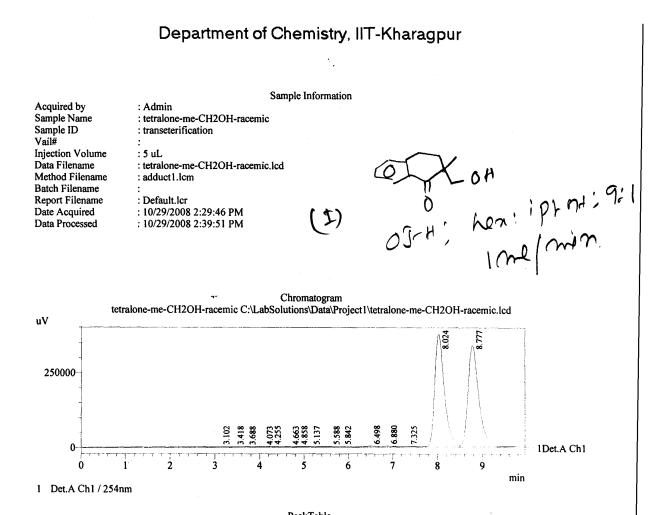
Empirical formula	C ₂₅ H ₂₀ N ₂ O ₈
Formula weight	476.43
Temperature	293 K
Wavelength	0.71073 Å
Crystal system	triclinic
Space group	P 1
Unit cell dimensions	a = 6.717(3) Å
	b = 7.176(3) Å
	c = 12.147(4)Å
	$\alpha = 99.024(11)^{\circ}$
	$\beta = 99.364(12)^{\circ}$
	$\gamma = 91.872(11)^{\circ}$
Volume, Z	$569.5(4) \text{ Å}^3,1$
Density	1.389 Mg/m ³
Crystal description	Prism
Crystal color	Colorless
Absorption coefficient	0.105 mm ⁻¹
F (000)	248

Crystal size	$0.2 \text{ x} 0.2 \text{ x} 0.1 \text{ mm}^3$
Reflections collected	5184
θ range for data collection	1.72 to 22.39°
Independent reflections	2942 [R (int) = 0.0654]
Goodness -of-fit on F^2	0.997
Limiting indices	-6<=h<=7, -7<=k<=7, -12<=l<=13
Data/ restraints/parameters	2942/3/317
Final R indices $[1>2\sigma(I)]$	R1 = 0.0769, wR2 = 0.1893
R indices (all data)	R1 = 0.1285, wR2 = 0.2251
Absolute structure parameter	-1(4)

X-ray crystal data of bis-paranitrobenzoate derivative of compound **18** (the following crystal has been deposited at the Cambridge Crystallographic Data Centre and has the deposition number CCDC 830577.



Empirical formula	$C_{26} H_{22} N_2 O_8$
Formula weight	490.46
Temperature	293 K
Wavelength	0.71073 Å
Crystal system	monoclinic
Space group	P 21
Unit cell dimensions	a = 6.805(5)Å
	b = 13.163(5) Å
	c = 13.478(5)Å
	$\alpha = 90.000(5)^{\circ}$
	$\beta = 99.373(5)^{\circ}$
	$\gamma = 90.000(5)^{\circ}$
Volume, Z	1191.2 (11)Å ³ ,2
Density	1.367 Mg/m^3
Crystal description	Prism
Crystal color	Colorless
Absorption coefficient	0.103 mm ⁻¹
F (000)	512
Crystal size	$0.2 \ge 0.2 \ge 0.1 \text{ mm}^3$
Reflections collected	12580
θ range for data collection	1.53 to 23.75°
Independent reflections	3609 [R (int) = 0.0524]
Goodness -of-fit on F^2	0.985
Limiting indices	-7<=h<=7, -14<=k<=14, -15<=l<=15
Data/ restraints/parameters	3609/1/329
Final R indices $[1>2\sigma(I)]$	R1 = 0.0459, wR2 = 0.0823
R indices (all data)	R1 = 0.0973, wR2 = 0.1016
Absolute structure parameter	-0.5(15)

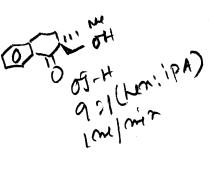


etector A C	Ch1 254nm	Peak lable			
Peak#	Ret. Time	Area	Height	Area %	Height %
1	3.102	184600	1421	1.561	0.193
2	3.418	17959	1278	0.152	0.173
3	3.688	17005	1316	0.144	0.179
4	4.073	30087	1470	0.254	0.199
5	4.255	35428	2398	0.300	0.325
6	4.663	21817	1519	0.185	0.206
7	4.858	19749	1466	0.167	0.199
8	5.137	27106	1511	0.229	0.205
9	5.588	37566	1453	0.318	0.197
10	5.842	19553	1411	0.165	0.192
11	6.498	71566	3533	0.605	0,480
12	6.880	71525	3092	0.605	0.420
13	7.325	11699	1050	0.099	0.143
14	8.024	5623002	376092	47.562	51.052
15	8.777	5633781	337681	47.653	45.838
Total		11822441	736691	100.000	100.000

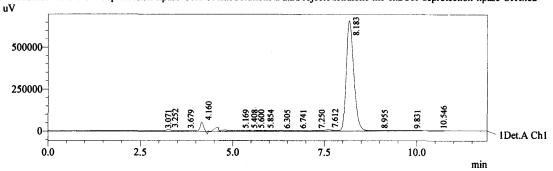
5

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	Sample Information	
Acquired by	: Admin	
Sample Name	: tetralone-me-ch2OH-deprotection-lipase-OJH	
Sample ID	: transeterification	
Vail#	:	الد.
Injection Volume	: 5 uL	
Data Filename	: tetralone-me-ch2OH-deprotection-lipase-OJH.lcd	
Method Filename	: adduct1.lcm	
Batch Filename	:	
Report Filename	: Default.lcr	() -F-1
Date Acquired	: 5/4/2009 4:27:33 PM	- 07
Data Processed	: 5/4/2009 4:39:28 PM	
		a 7



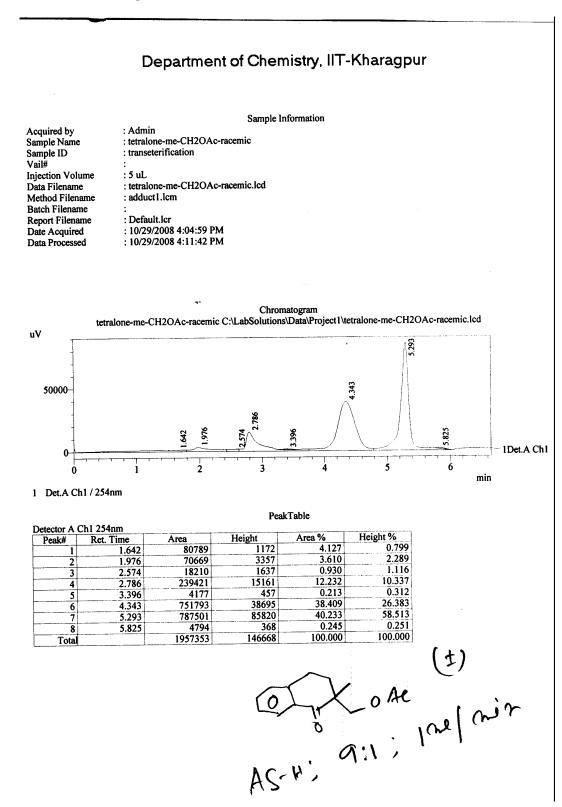
Chromatogram tetralone-me-ch2OH-deprotection-lipase-OJH C:\LabSolutions\Data\Project1\tetralone-me-ch2OH-deprotection-lipase-OJH.lcd



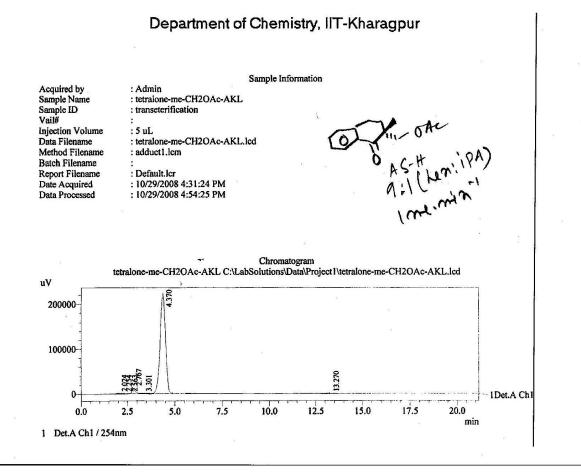
PeakTable

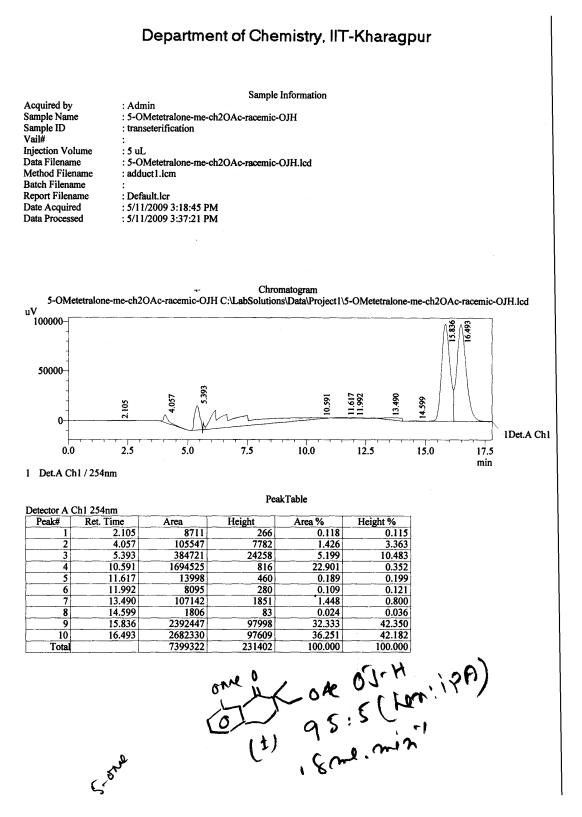
1 Det.A Ch1 / 254nm

etector A C					
Peak#	Ret. Time	Area	Height	Area %	Height %
1	3.071	453356	4451	3.899	0.573
2	3.252	156010	10793	1.342	1.390
3	3.679	62813	4944	0.540	0.637
4	4.160	418146	55507	3.596	7.151
5	5.169	445196	5558	3.829	0.716
6	5.408	49058	5145	0.422	0.663
7	5.600	74754	4986	0.643	0.642
8	5.854	81433	4753	0.700	0.612
9	6.305	137945	4775	1.186	0.615
10	6.741	114132	4402	0.982	0.567
11	7.250	66711	3239	0.574	0.417
12	7.612	154494	8209	1.329	1.058
13	8.183	9407646	659167	80.915	84.921
14	8.955	1403	45	0.012	0.006
15	9.831	1938	114	0.017	0.015
16	10.546	1561	122	0.013	0.016
Total		11626597	776210	100.000	100.000

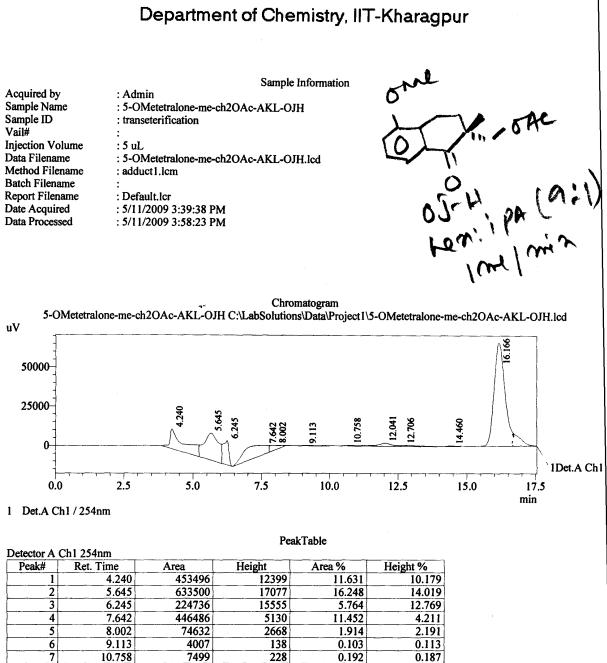


HPLC chromatogram of (R)-acetate derivative of 1



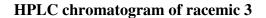


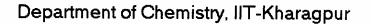
HPLC chromatogram of (R)-acetate derivative of 2

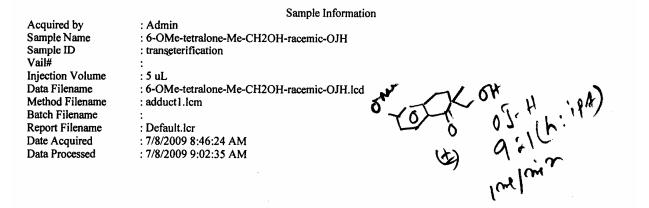


	0	9.113	4007	138	0.103	0.113
Γ	7	10.758	7499	228	0.192	0.187
	8	12.041	58059	1699	1.489	1.395
	9	12.706	21604	524	0.554	0.430
1	10	14.460	4443	231	0.114	0.190
	11	16.166	1970427	66165	50.538	54.317
	Total		3898890	121814	100.000	100.000

10

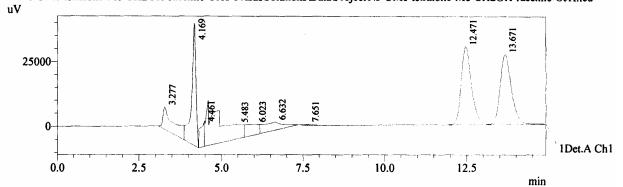






Chromatogram

6-OMe-tetralone-Me-CH2OH-racemic-OJH C:\LabSolutions\Data\Project1\6-OMe-tetralone-Me-CH2OH-racemic-OJH.lcd



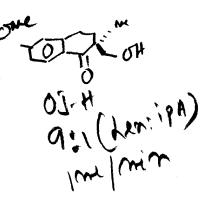
1 Det.A Ch1 / 254nm

PeakTable

Detector A C	or A Ch1 254nm				
Peak#	Ret. Time	Area	Height	Area %	Height %
1	3.277	203172	8464	7.134	6.289
2	4.169	426918	47140	14.990	35.026
3	4.461	77876	9001	2.734	6.688
4	5.483	581109	5301	20.404	3.939
5	6.023	118640	3887	4.166	2.888
6	6.632	136762	3117	4.802	2.316
7	7.651	3114	249	0.109	0.185
8	12.471	652369	30337	22.906	22.540
9	13.671	648045	27092	22.754	20.130
Total		2848005	134588	100.000	100.000

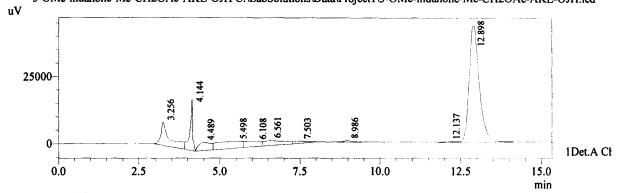
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	Sample Information	
Acquired by	: Admin	
Sample Name	: 5-OMe-indanone-Me-CH2OAc-AKL-OJH	
Sample ID	: transeterification	
Vail#	:	1
Injection Volume	: 5 uL	
Data Filename	: 5-OMe-indanone-Me-CH2OAc-AKL-OJH.lcd	
Method Filename	: adduct1.lcm	
Batch Filename	:	
Report Filename	: Default.lcr	
Date Acquired	: 8/7/2009 3:27:37 PM	
Data Processed	: 8/7/2009 3:44:06 PM	



Chromatogram

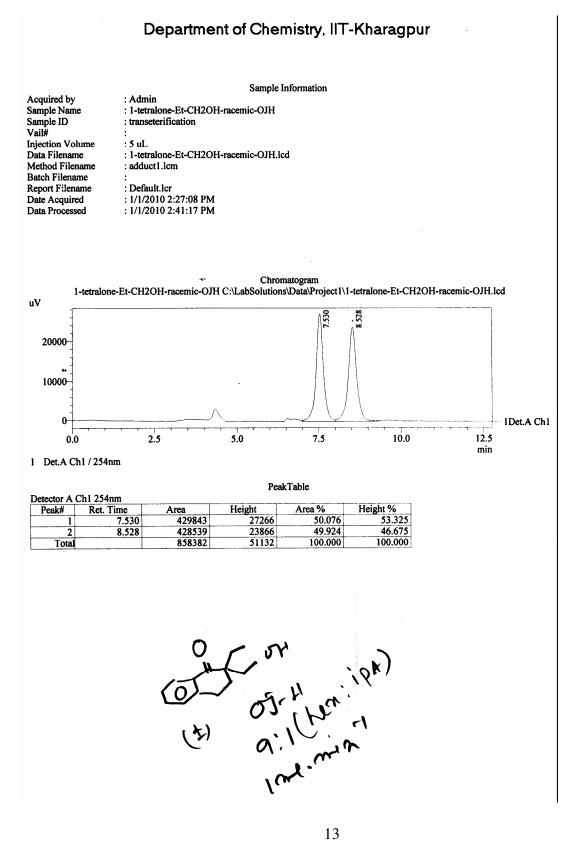
5-OMe-indanone-Me-CH2OAc-AKL-OJH C:\LabSolutions\Data\Project1\5-OMe-indanone-Me-CH2OAc-AKL-OJH.lcd

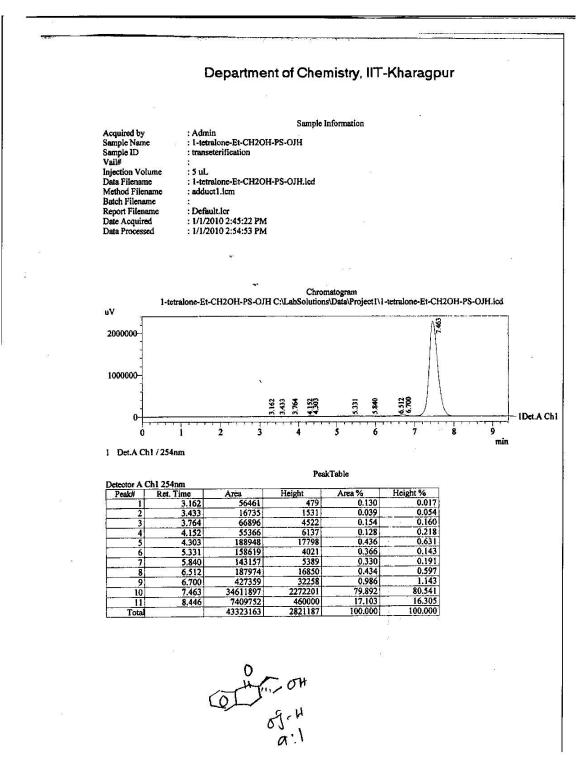


1 Det.A Ch1 / 254nm

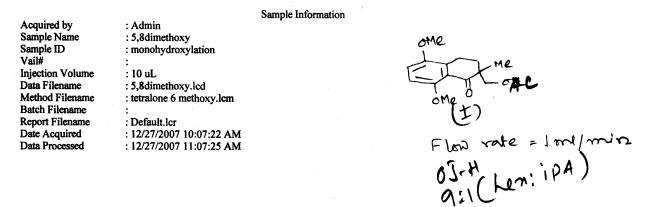
PeakTable

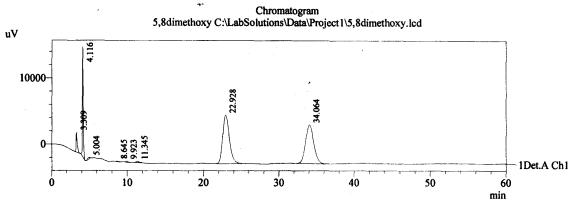
Peak#	Ret. Time	Area	Height	Area %	Height %
1	3.256	162498	8447	10.172	10.338
2	4.144	109528	19096	6.856	23.371
3	4.489	77146	2947	4.829	3.607
4	5.498	136804	2363	8.564	2.893
5	6.108	66803	1858	4.182	2.274
6	6.561	75401	1909	4.720	2.337
7	7.503	19715	719	1.234	0.881
8	8.986	7851	450	0.491	0.551
9	12.137	3239	163	0.203	0.200
10	12.898	938480	43752	58.748	53.549
Total	•	1597464	81705	100.000	100.000





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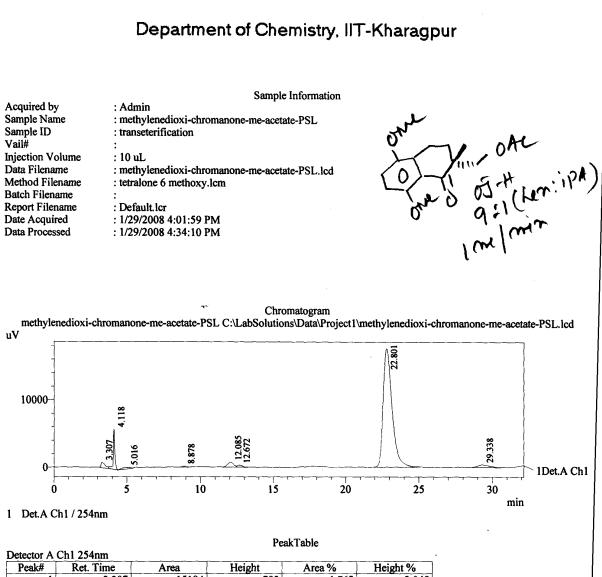


1 Det.A Ch1 / 254nm

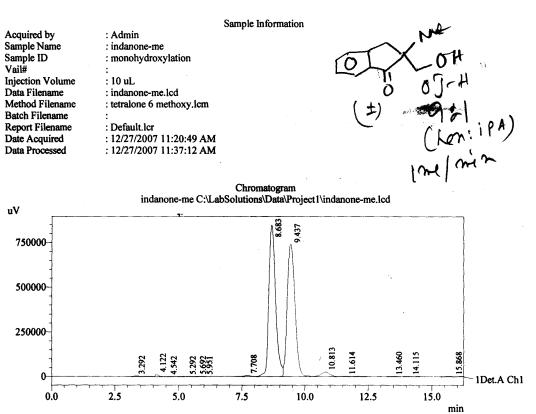
Peak#	Ret. Time	Area	Height	Area %	Height %
1	3.309	30978	2988	2.929	8.977
2	4.116	125674	16631	11.882	49.959
3	5.004	4372	145	0.413	0.437
4	8.645	1040	69	0.098	0.208
5	9.923	2502	146	0.237	0.437
6	11.345	3637	165	0.344	0.496
7	22.928	453015	7332	42.832	22.027
8	34.064	436429	5812	41.264	17.459
Total		1057647	33289	100.000	100.000



HPLC chromatogram of (R)-acetate derivative of 5



Peak#	Ret. Time	Area	Height	Area %	Height %
1	3.307	15194	793	1.762	3.048
2	4.118	44067	5991	5.111	23.041
3	5.016	7960	196	0.923	0.755
4	8.878	1591	113	0.185	0.434
5	12.085	19251	686	2.233	2.640
6	12.672	6270	277	0.727	1.064
7	22.801	749790	17577	86.956	67.599
8	29.338	18139	369	2.104	1.418
Total		862263	26002	100.000	100.000



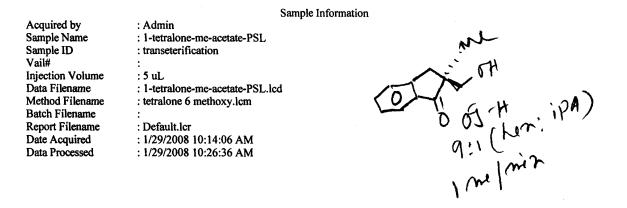
IIT

1 Det.A Ch1 / 254nm

etector A C	tor A Ch1 254nm				
Peak#	Ret. Time	Area	Height	Area %	Height %
1	3.292	31560	1972	0.097	0.121
2	4.122	105063	13987	0.323	0.855
3	4.542	1018	127	0.003	0.008
4	5.292	17390	321	0.053	0.020
5	5.692	3399	172	0.010	0.01
6	5.951	1396	98	0.004	0.00
7	7.708	89095	5790	0.274	0.354
8	8.683	15800321	846864	48.564	51.77
9	9.437	15833492	739433	48.666	45.20
10	10.813	606331	25340	1.864	1.54
11	11.614	38819	1256	0.119	0.07
12	13.460	1452	87	0.004	0.00
13	14.115	1303	68	0.004	0.00
14	15.868	4201	155	0.013	0.00
Total		32534839	1635668	100.000	100.00

PeakTable





Chromatogram 1-tetralone-me-acetate-PSL C:\LabSolutions\Data\Project1\1-tetralone-me-acetate-PSL.lcd uV 9.328 200000 100000 7.817 11.557 7.424 8.507 4.127 1.612 3.274 5.375 5.496 6 1Det.A C 2.5 7.5 0.0 5.0 10.0

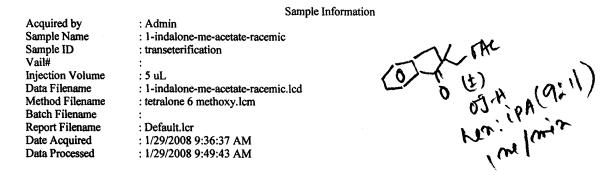
1 Det.A Ch1 / 254nm

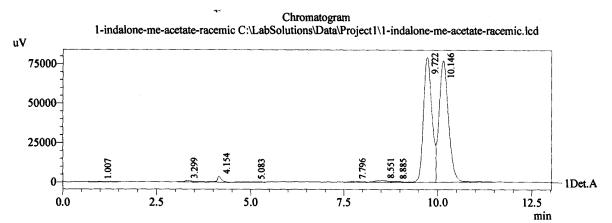
PeakTable

min

etector A C	Ch1 254nm					
Peak#	Ret. Time	Area	Height	Area %	Height %	
1	3.274	14889	789	0.368	0.304	
2	4.127	27090	3781	0.670	1.456	
3	4.612	4005	366	0.099	0.141	
4	5.375	13165	1051	0.325	0.405	
5	6.496	4154	324	0.103	0.125	
6	7.424	80334	6799	1.986	2.618	
7	7.817	151210	10516	3.739	4.049	
8	8.507	27110	1411	0.670	0.543	
9	9.328	3714698	234465	91.846	90.278	
10	11.557	7823	213	0.193	0.082	
Total		4044477	259714	100.000	100.000	

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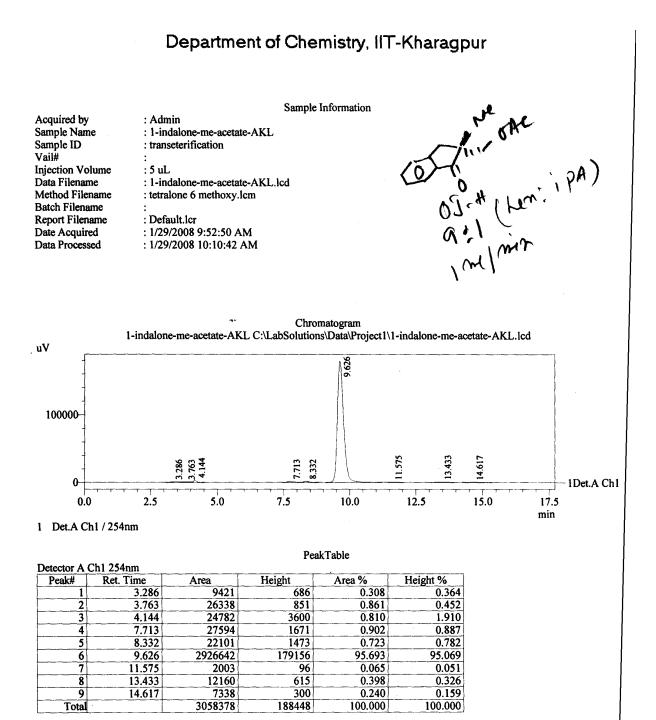
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1 Det.A Ch1 / 254nm
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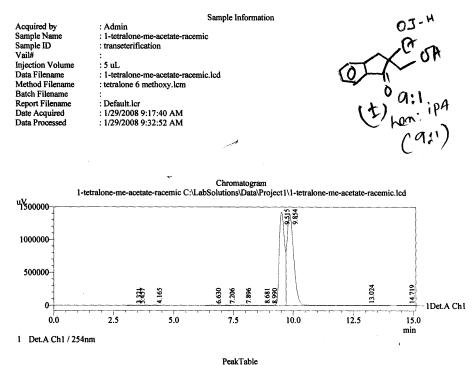
PeakTable

Ch1 254nm				
Ret. Time	Area	Height	Area %	Height %
1.007	1243	49	0.047	0.030
3.299	13950	821	0.525	0.503
4.154	29043	3802	1.094	2.330
5.083	4486	121	0.169	0.074
7.796	8572	464	0.323	0.284
8.551	21440	873	0.808	0.535
8.885	6999	443	0.264	0.271
9.722	1245254	79448	46.906	48.688
10.146	1323796	77155	49.865	47.283
	2654782	163176	100.000	100.000
	Ret. Time 1.007 3.299 4.154 5.083 7.796 8.551 8.885 9.722	Ret. Time Area 1.007 1243 3.299 13950 4.154 29043 5.083 4486 7.796 8572 8.551 21440 8.885 6999 9.722 1245254 10.146 1323796	Ret. Time Area Height 1.007 1243 49 3.299 13950 821 4.154 29043 3802 5.083 4486 121 7.796 8572 464 8.551 21440 873 8.885 6999 443 9.722 1245254 79448 10.146 1323796 77155	Ret. TimeAreaHeightArea %1.0071243490.0473.299139508210.5254.1542904338021.0945.08344861210.1697.79685724640.3238.551214408730.8088.88569994430.2649.72212452547944846.90610.14613237967715549.865

C 11

HPLC chromatogram of (R)-acetate derivative of 6





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Detector A C	r A Ch1 254nm				
Peak#	Ret. Time	Area	Height	Area %	Height %
1	3.321	8722	795	0.018	0.028
2	3.457	8963	702	0.018	0.025
3	4.165	38407	4501	0.078	0.159
4	6.630	1753	150	0.004	0.005
5	7.206	6052	400	0.012	0.014
6	7.896	37576	1655	0.077	0.059
7	8.681	22488	1189	0.046	0.042
8	8.990	12338	891	0.025	0.032
9	9.515	21728734	1419635	44.270	50.256
10	9.854	27159401	1392355	55.334	49.290
11	13.024	36772	1518	0.075	0.054
12	14.719	21201	1042	0.043	0.037
Total		49082406	2824834	100.000	100.000

$$tr = q.5 (ma)$$

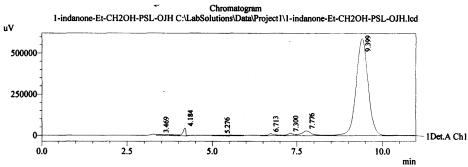
 $tr = q.5 (mi)$
 $tr = q.5 (mi)$



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Sample Information

	Sample Information
Acquired by	: Admin
Sample Name	: 1-indanone-Et-CH2OH-PSL-OJH
Sample ID	: transeterification
Vail#	
Injection Volume	5 uL
Data Filename	: 1-indanone-Et-CH2OH-PSL-OJH.lcd
Method Filename	: adduct 1.1cm
Batch Filename	
Report Filename	: Default.lcr
Date Acquired	: 9/9/2009 9:56:27 AM
Data Processed	: 9/9/2009 10:08:43 AM

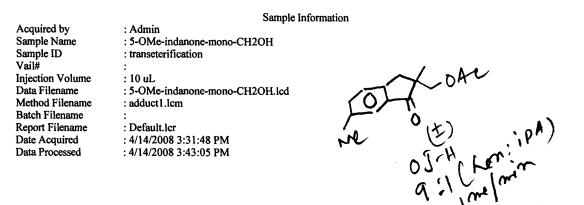


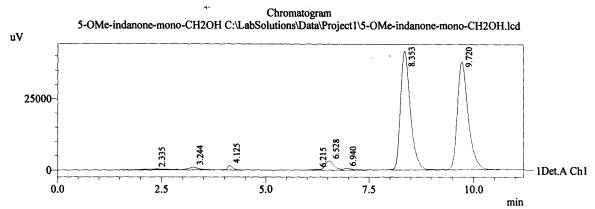
1 Det.A Ch1 / 254nm

PeakTable

etector A C	Ch1 254nm					
Peak#	Ret. Time	Area	Height	Area %	Height %	
1	3.469	185329	5126	1.171	0.736	
2	4.184	269826	46713	1.705	6.709	
3	5.276	134963	2756	0.853	0.396	
4	6.713	179870	11224	1.137	1.612	
5	7.300	184051	12914	1.163	1.855	
6	7.776	577626	28621	3.651	4.110	
7	9.399	14289994	588962	90.319	84.583	
Total		15821661	696315	100.000	100.000	

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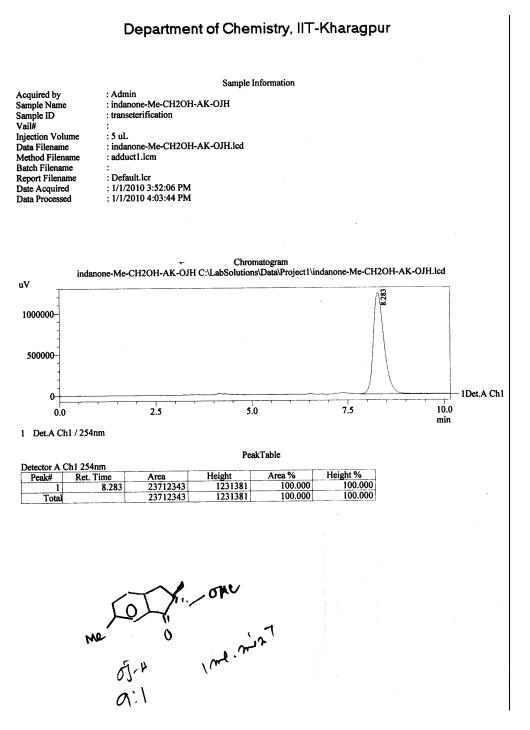


1 Det.A Ch1 / 254nm

PeakTable

etector A C	ch1 254nm				
Peak#	Ret. Time	Area	Height	Area %	Height %
1	2.335	12773	262	0.876	0.304
2	3.244	14671	901	1.006	1.043
3	4.125	12409	1530	0.851	1.771
4	6.215	1935	201	0.133	0.232
5	6.528	45297	3125	3.106	3.618
6	6.940	7386	603	0.506	0.698
7	8.353	681134	41763	46.709	48.347
8	9.720	682651	37997	46.813	43.987
Total		1458258	86383	100.000	100.000

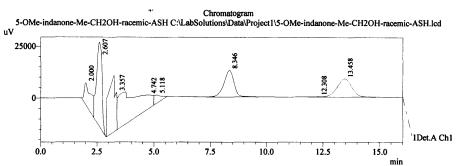
HPLC chromatogram of (R)-acetate derivative of 8



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Sample Information

	Sample Information
Acquired by	: Admin
Sample Name	: 5-OMe-indanone-Me-CH2OH-racemic-ASH
Sample ID	: transeterification
Vail#	:
Injection Volume	: 5 uL
Data Filename	: 5-OMe-indanone-Me-CH2OH-racemic-ASH.lcd
Method Filename	: adduct1.lcm
Batch Filename	:
Report Filename	: Default.lcr
Date Acquired	: 5/29/2009 5:31:16 PM
Data Processed	: 5/29/2009 5:48:17 PM



1 Det.A Ch1 / 254nm

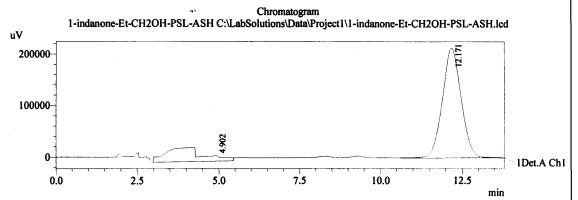
tector A C	h1 254nm	PeakTable				
Peak#	Ret. Time	Area	Height	Area %	Height %	
1	2.000	240218	10422	7.122	10.305	
2	2.607	672364	40561	19.935	40.105	
3	3.357	583983	17981	17.314	17.778	
4	4.742	1006837	6654	29.851	6.579	
5	5.118	81842	3953	2.426	3.909	
6	8.346	395977	12696	11.740	12.553	
7	12.308	1745	83	0.052	0.082	
8	13.458	389879	8788	11.559	8.689	
Total		3372843	101138	100.000	100.000	

(4) ASTH (Lanina) (±) ASTH (Lanina) (±) ASTH (Lanina)

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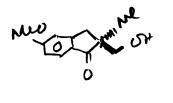
Sample Information

Acquired by	: Admin
Sample Name	: 1-indanone-Et-CH2OH-PSL-ASH
Sample ID	: transeterification
Vail#	
Injection Volume	: 5 uL
Data Filename	: 1-indanone-Et-CH2OH-PSL-ASH.lcd
Method Filename	: adduct1.lcm
Batch Filename	
Report Filename	: Default.lcr
Date Acquired	: 9/9/2009 10:29:06 AM
Data Processed	: 9/9/2009 10:43:45 AM

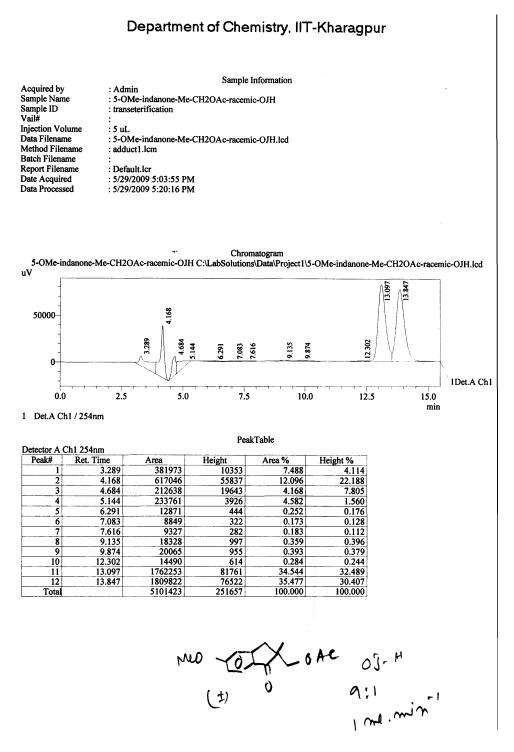


1 Det.A Ch1 / 254nm

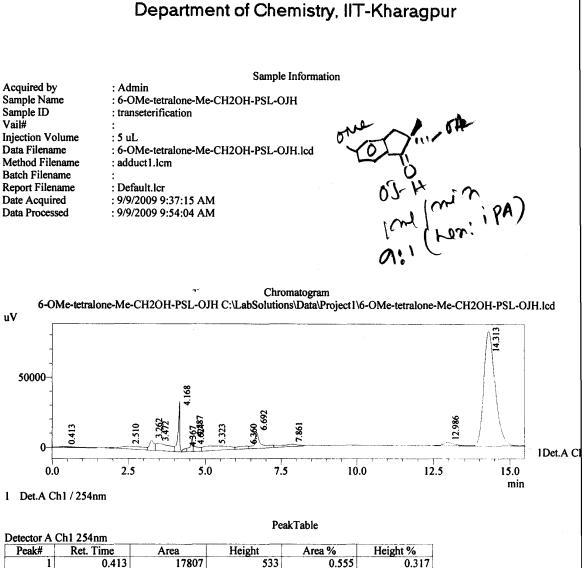
etector A C	Ch1 254nm		Peal	kTable	
Peak#	Ret. Time	Area	Height	Area %	Height %
1	4.902	2170868	10993	20.355	4.890
2	12.171	8494242	213820	79.645	95.110
Total		10665111	224813	100.000	100.000



AS-H 9:1, -1 1, me, men

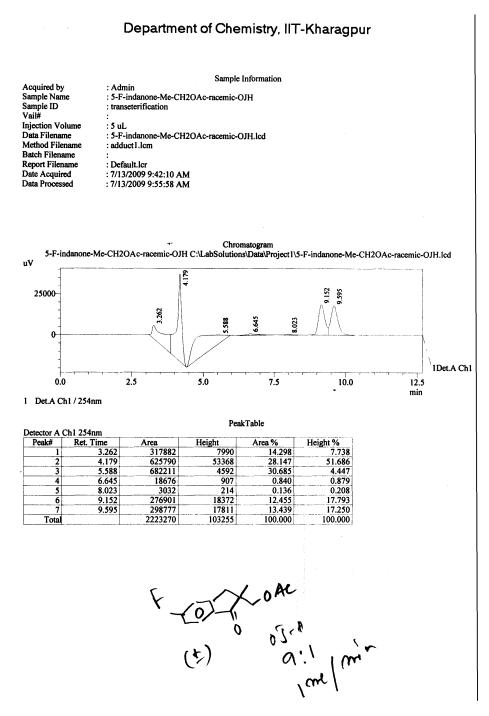


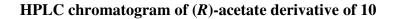
HPLC chromatogram of (R)-acetate of 9

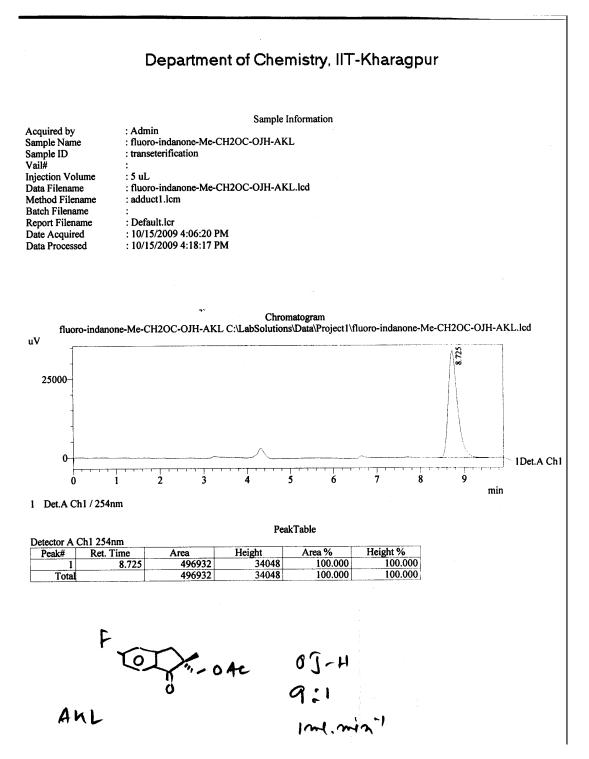


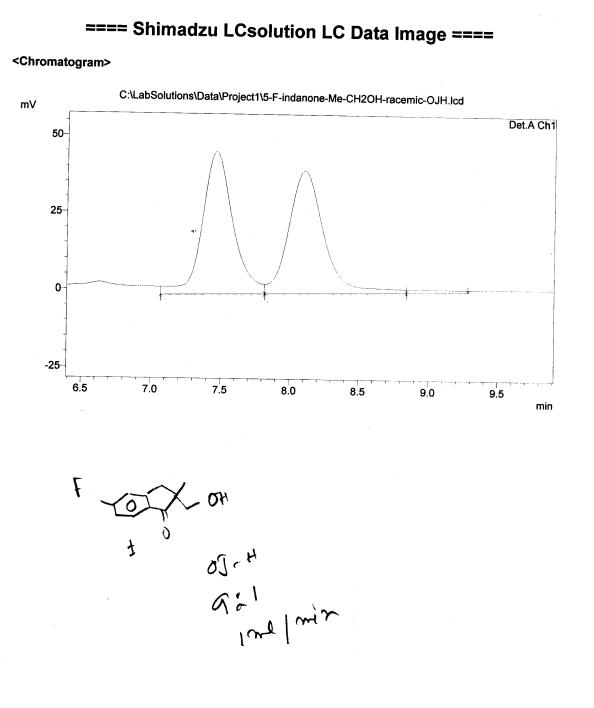
Peak#	Ret. Time	Area	Height	Area %	Height %
1	0.413	17807	533	0.555	0.317
2	2.510	100337	1776	3.130	1.057
3	3.262	71020	6863	2.215	4.086
4	3.472	155561	4954	4.852	2.950
5	4.168	134851	36178	4.206	21.543
6	4.367	17365	2271	0.542	1.353
7	4.587	54794	10312	1.709	6.140
8	4.624	46335	3271	1.445	1.948
9	5.323	166796	2873	5.202	1.711
10	6.360	44971	1746	1.403	1.040
11	6.692	155931	11343	4.864	6.754
12	7.861	66638	1646	2.078	0.980
13	12.986	53964	2299	1.683	1.369
14	14.313	2119729	81870	66.116	48.751
Total		3206100	167933	100.000	100.000

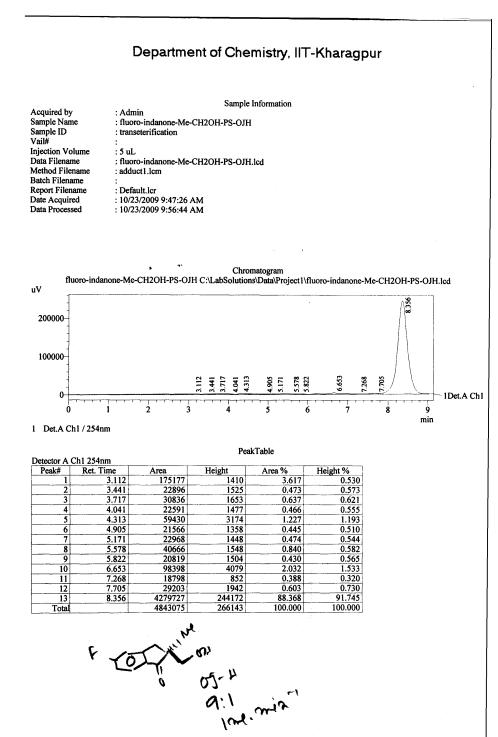
28

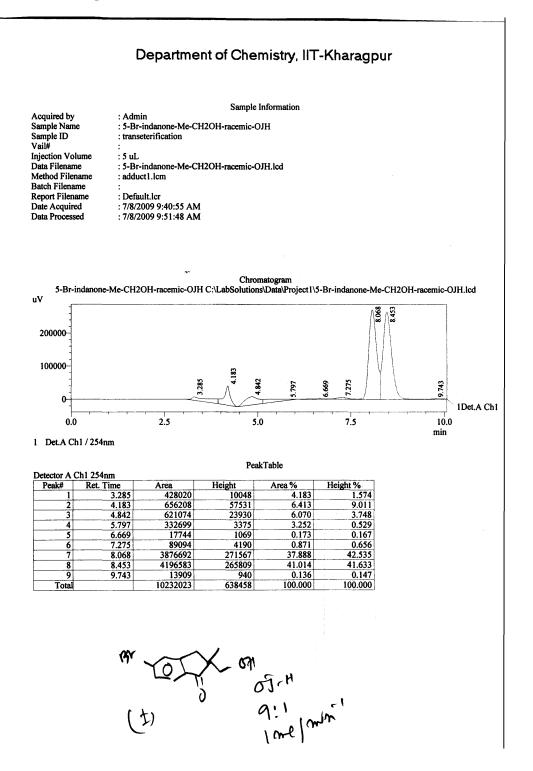






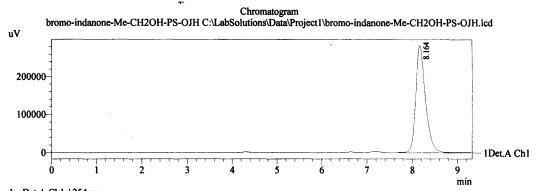






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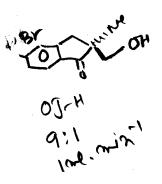
	Sample Information
Acquired by	: Admin
Sample Name	: bromo-indanone-Me-CH2OH-PS-OJH
Sample ID	: transeterification
Vail#	:
Injection Volume	: 5 uL
Data Filename	: bromo-indanone-Me-CH2OH-PS-OJH.lcd
Method Filename	: adduct1.lcm
Batch Filename	:
Report Filename	: Default.lcr
Date Acquired	: 10/23/2009 9:34:46 AM
Data Processed	: 10/23/2009 9:45:22 AM



DeakTable

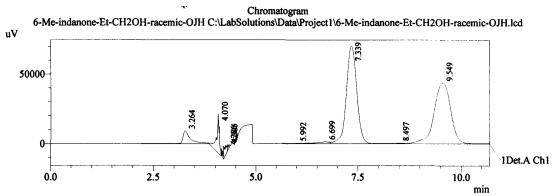
1	Det.A	Chi	1	234nm	

etector A Ch1 254nm					
Peak#	Ret. Time	Area	Height	Area %	Height %
1	8.164	4226319	283269	100.000	100.000
Total		4226319	283269	100.000	100.000



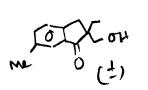
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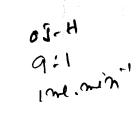
	Sample Information
Acquired by	: Admin
Sample Name	: 6-Me-indanone-Et-CH2OH-racemic-OJH
Sample ID	: transeterification
Vail#	:
Injection Volume	: 5 uL
Data Filename	: 6-Me-indanone-Et-CH2OH-racemic-OJH.lcd
Method Filename	: adduct1.lcm
Batch Filename	:
Report Filename	: Default.lcr
Date Acquired	: 6/5/2009 9:50:41 AM
Data Processed	: 6/5/2009 10:02:57 AM

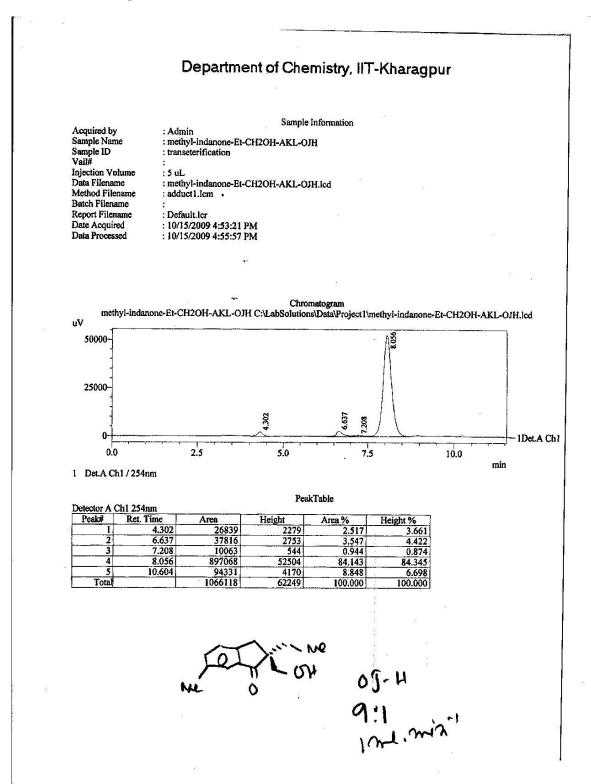


1 Det.A Ch1 / 254nm

	1.1.264	PeakTable					
etector A C Peak#	Ret. Time	Area	Height	Area %	Height %		
1	3.264	119113	9108	4.323	5.667		
2	4.070	120064	27681	4.358	17.223		
3	4.286	34580	4520	1.255	2.813		
4	4.305	7756	4279	0.281	2.663		
5	5.992	2497	155	0.091	0.096		
6	6.699	28741	1337	1.043	0.832		
7	7.339	1229128	69994	44.609	43.550		
8	8.497	1423	107	0.052	0.067		
9	9.549	1212015	43538	43.988	27.090		
Total		2755317	160719	100.000	100.000		



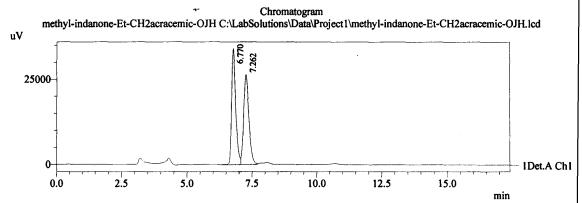




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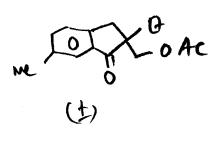
Sample Information

Acquired by	: Admin
Sample Name	: methyl-indanone-Et-CH2acracemic-OJH
Sample ID	: transeterification
Vail#	:
Injection Volume	: 5 uL
Data Filename	: methyl-indanone-Et-CH2acracemic-OJH.lcd
Method Filename	: adduct1.lcm
Batch Filename	:
Report Filename	: Default.lcr
Date Acquired	: 10/15/2009 4:59:07 PM
Data Processed	: 10/15/2009 5:17:42 PM

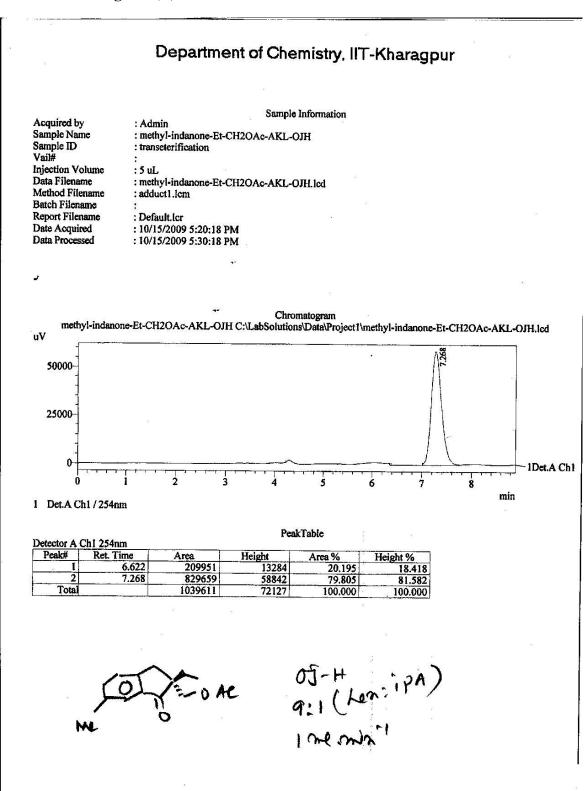


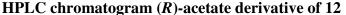
1 Det.A Ch1 / 254nm

etector A C	Ch1 254nm		Peal	kTable		
Peak#	Ret. Time	Area	Height	Area %	Height %	
1	6.770	372530	34155	49.939	56.333	
2	7.262	373435	26475	50.061	43.667	
Total		745965	60630	100.000	100.000	

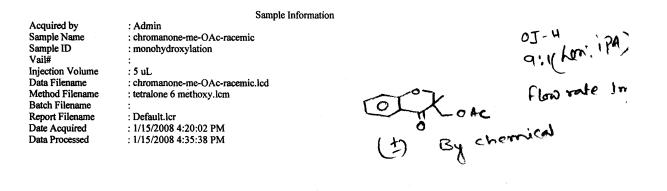


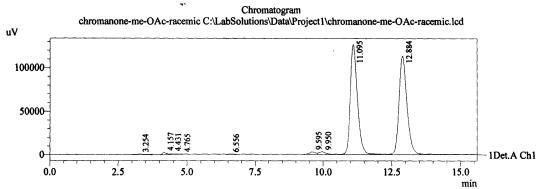
0]-H 9:1 1me min





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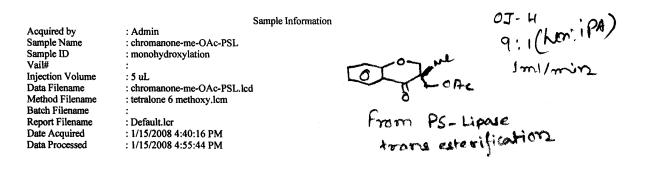
PeakTable

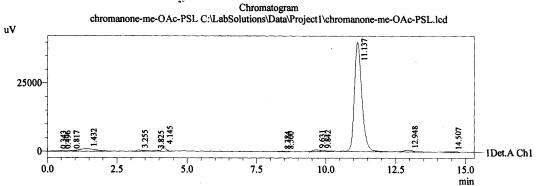
1 Det.A Ch1 / 254nm

etector A Ch1 254nm							
Peak#	Ret. Time	Area	Height	Area %	Height %		
1	3.254	5981	389	0.129	0.150		
2	4.157	19370	2077	0.417	0.834		
3	4.431	3110	1289	0.067	0.51		
4	4.765	1180	. 88	0.025	0.03		
5	6.556	1198	125	0.026	0.05		
6	9.595	41627	2800	0.895	1.12		
7	9.950	49158	2898	1.057	1.16		
8	11.095	2264668	126357	48.704	50.73		
9	12.884	2263540	113024	48.680	45.38		
Total		4649833	249047	100.000	100.00		

HPLC chromatogram of (R)-acetate derivative of 13

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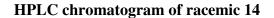


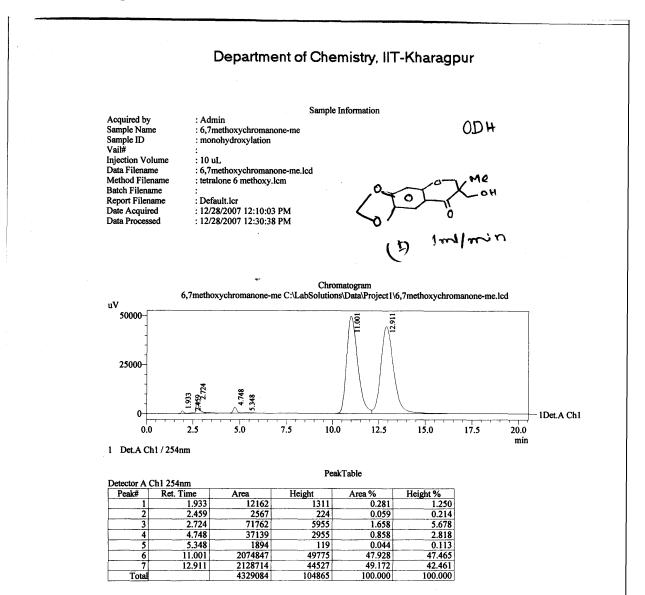


1 Det.A Ch1 / 254nm

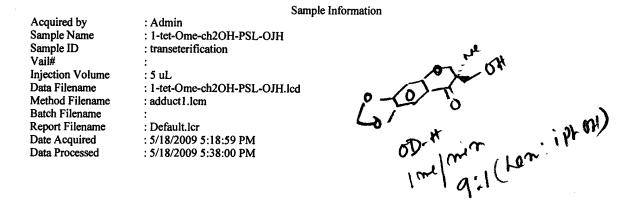
etector A (Ch1 254nm	m				
Peak#	Ret. Time	Area	Height	Area %	Height %	
1	0.343	1772	134	0.210	0.292	
2	0.496	1577	146	0.187	0.319	
3	0.817	2153	157	0.255	0.342	
4	1.432	37102	889	4.399	1.937	
5	3.255	7963	420	0.944	0.915	
6	3.825	1619	120	0.192	0.262	
7	4.145	16308	1927	1.934	4.197	
8	8.384	1144	116	0.136	0.253	
9	8.500	1069	107	0.127	0.233	
10	9.631	9858	539	1.169	1.174	
11	9.842	5960	449	0.707	0.978	
12	11.137	738318	40021	87.543	87.175	
13	12.948	13299	646	1.577	1.408	
14	14.507	5239	237	0.621	0.517	
Total		843381	45909	100.000	100.000	

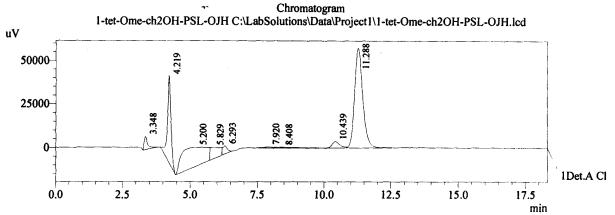
PeakTable





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1 Det.A Ch1 / 254nm

PeakTable

Detector A C	Ch1 254nm				
Peak#	Ret. Time	Area	Height	Area %	Height %
1	3.348	65351	7461	2.357	5.266
2	4.219	456621	50127	16.466	35.375
3	5.200	715631	10955	25.806	7.731
4	5.829	156147	6634	5.631	4.681
5	6.293	53973	4521	1.946	3.190
6	7.920	12325	531	0.444	0.374
7	8.408	17466	351	0.630	0.248
8	10.439	72548	3641	2.616	2.570
9	11.288	1223004	57480	44.103	40.564
Total		2773066	141702	100.000	100.000