

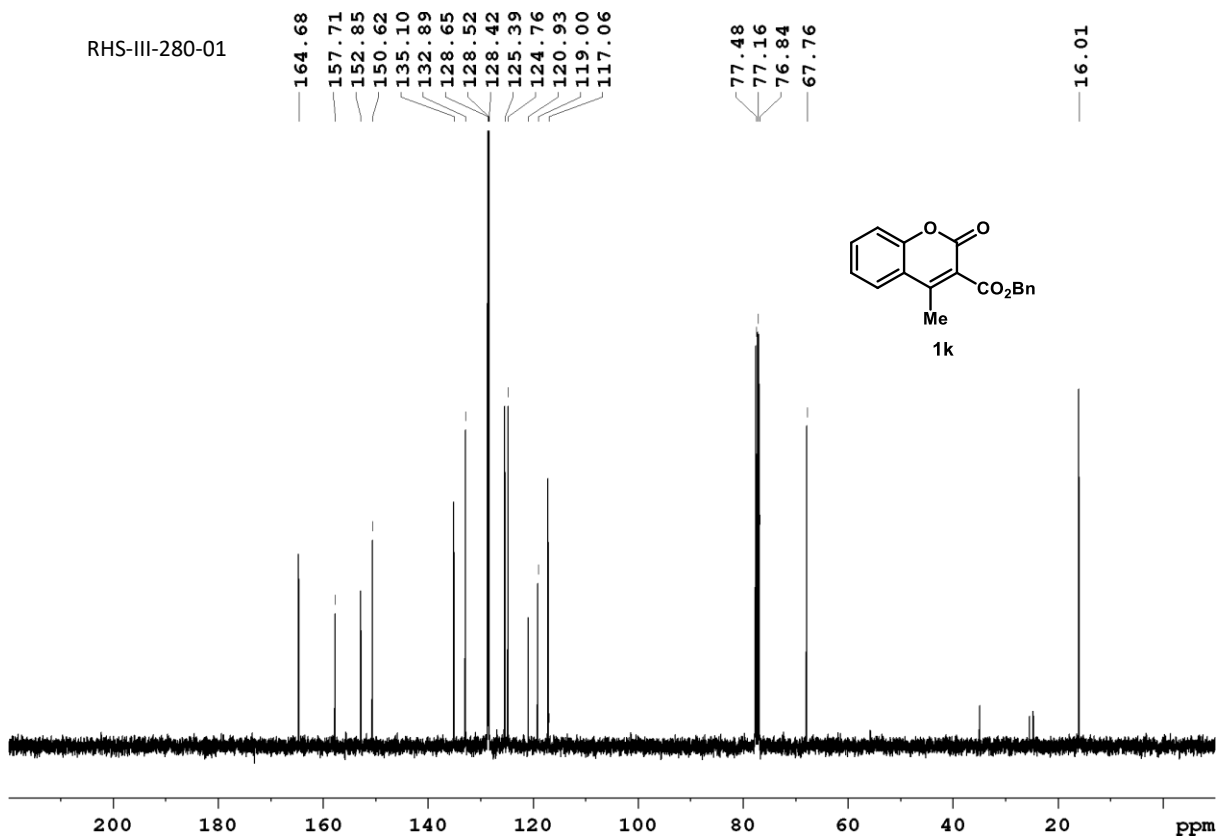
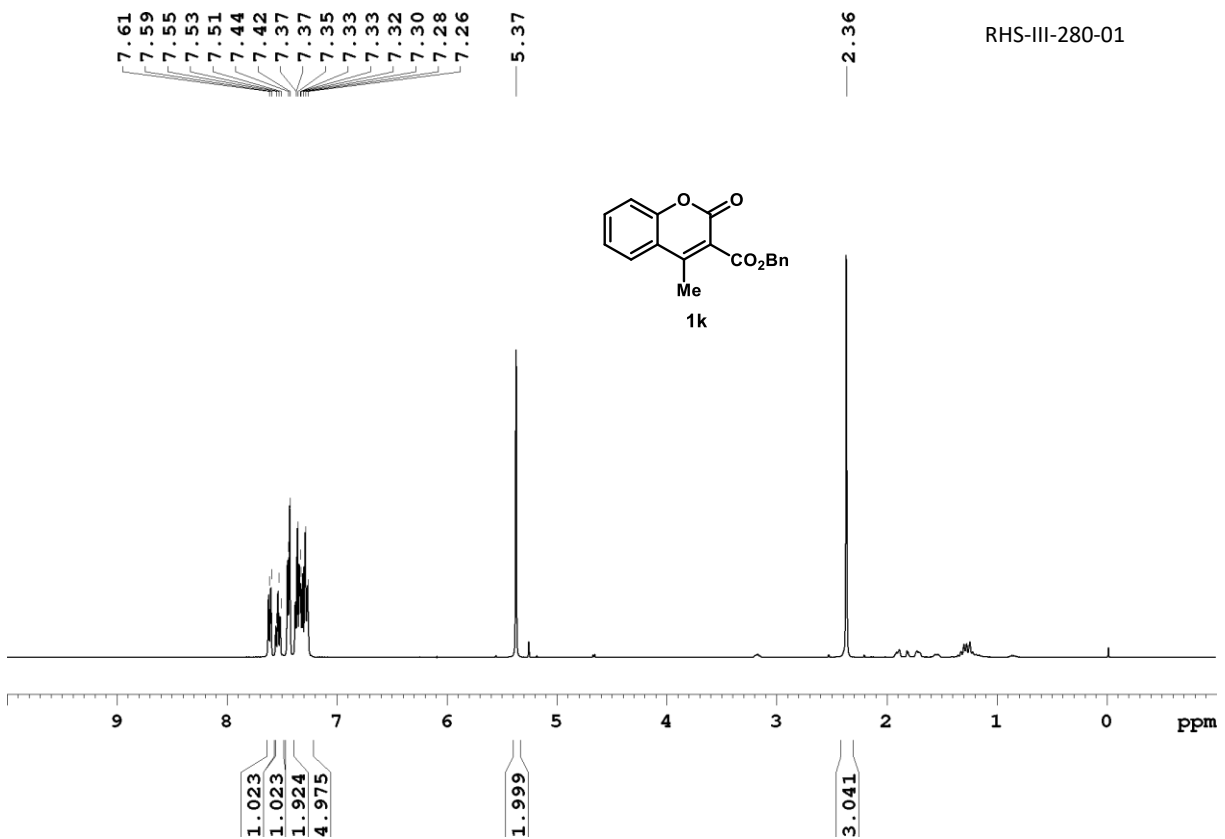
SUPPORTING INFORMATION: PART B

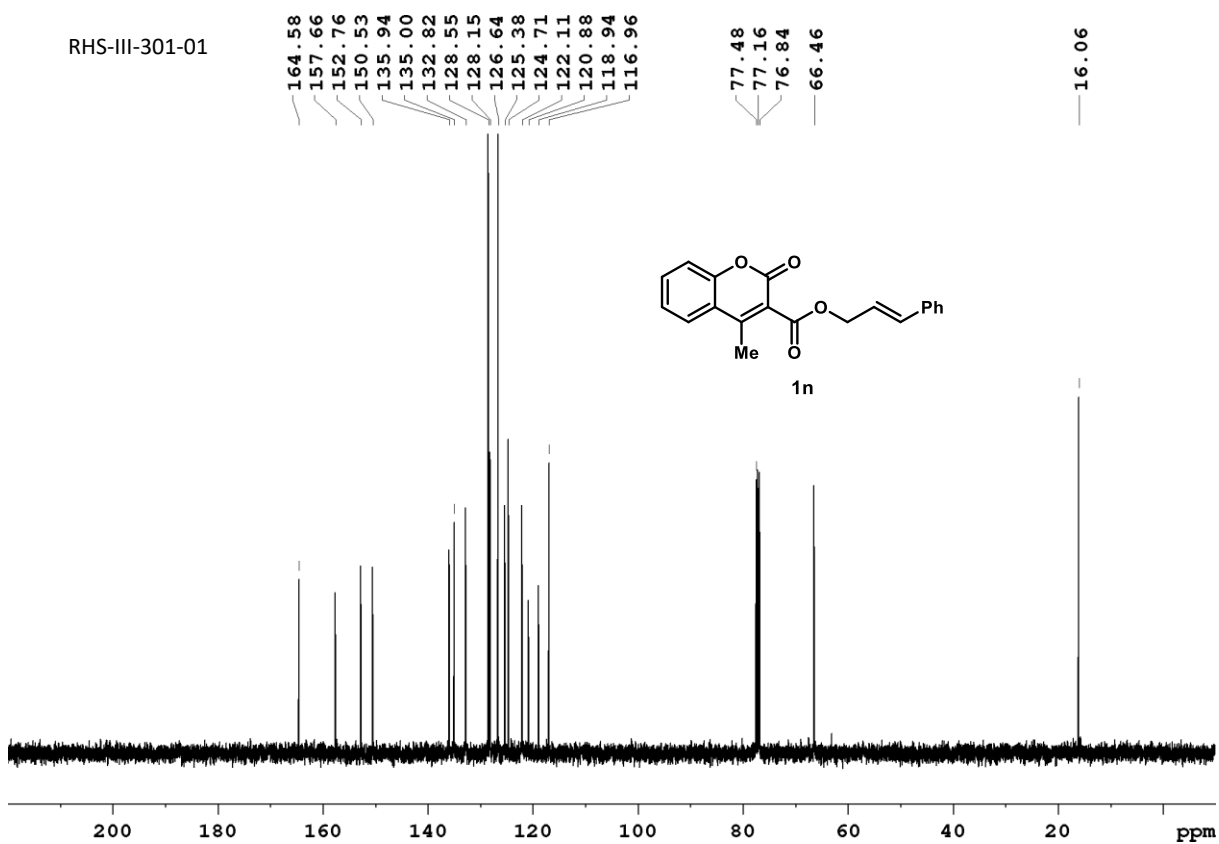
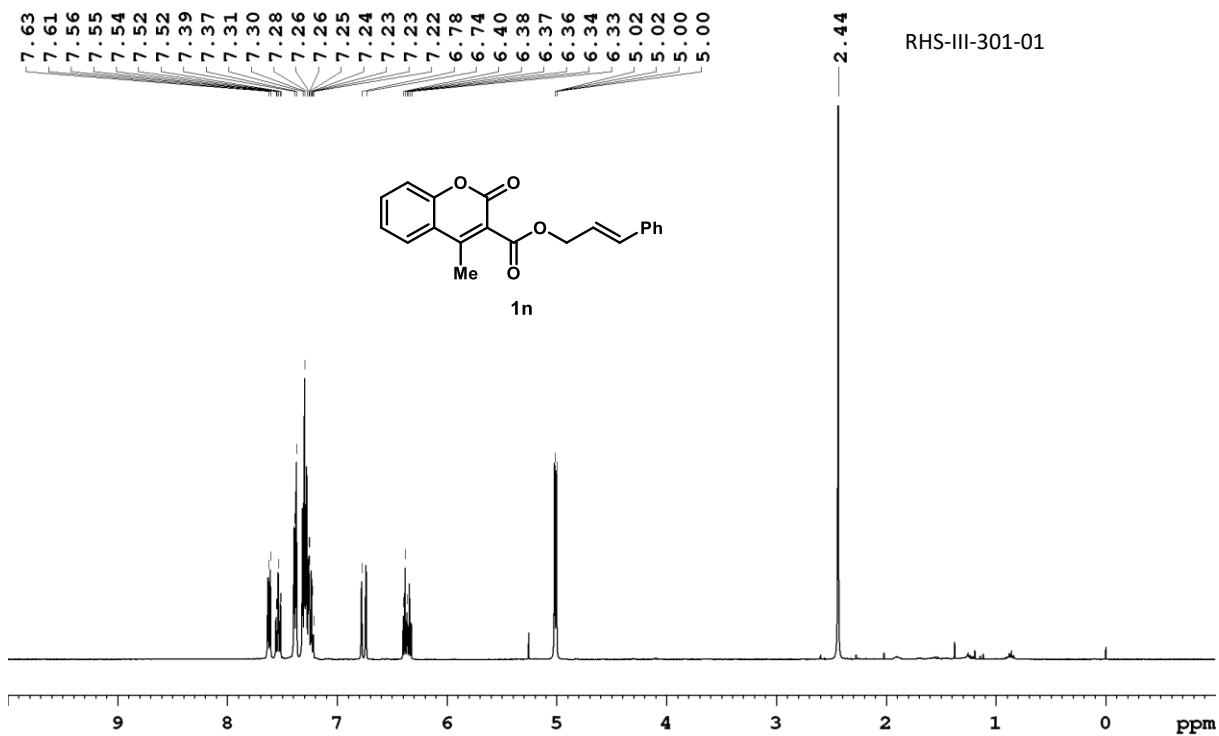
**Iridium-catalyzed enantioselective direct vinylogous allylic alkylation
of coumarins**

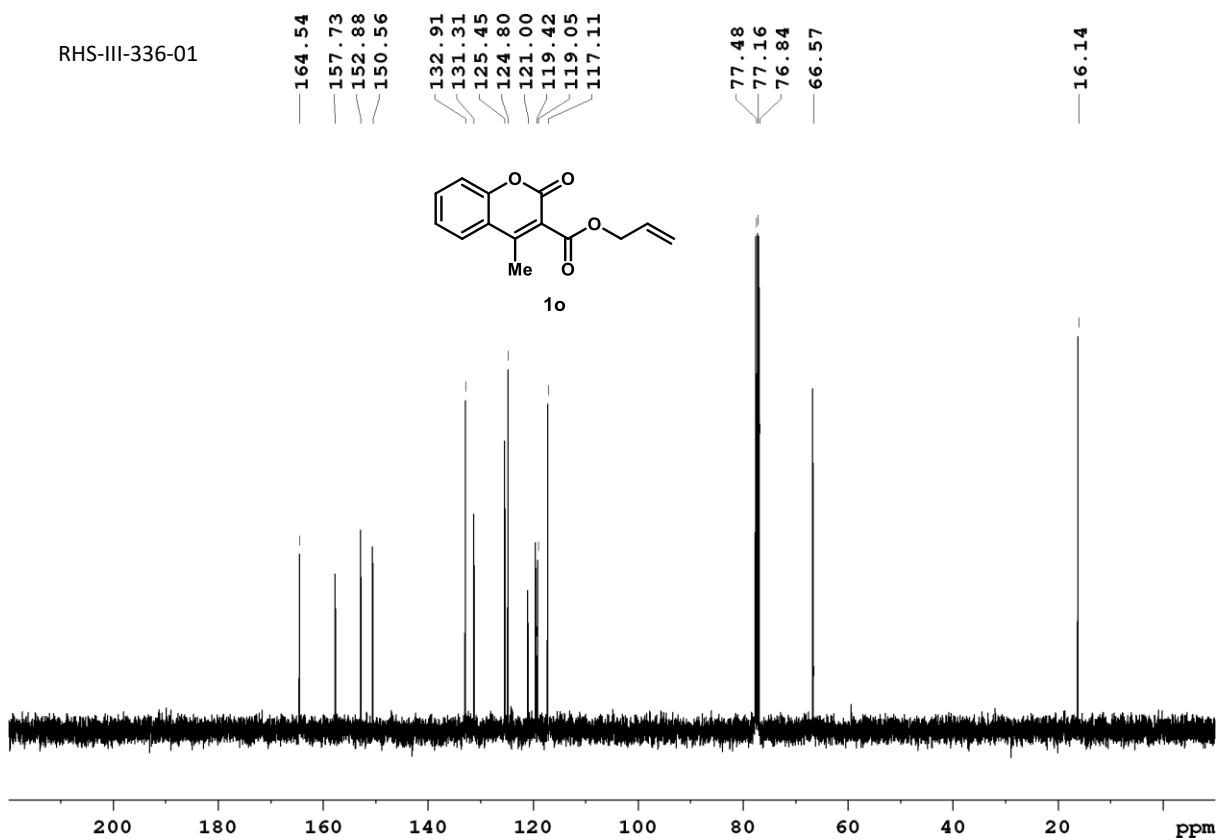
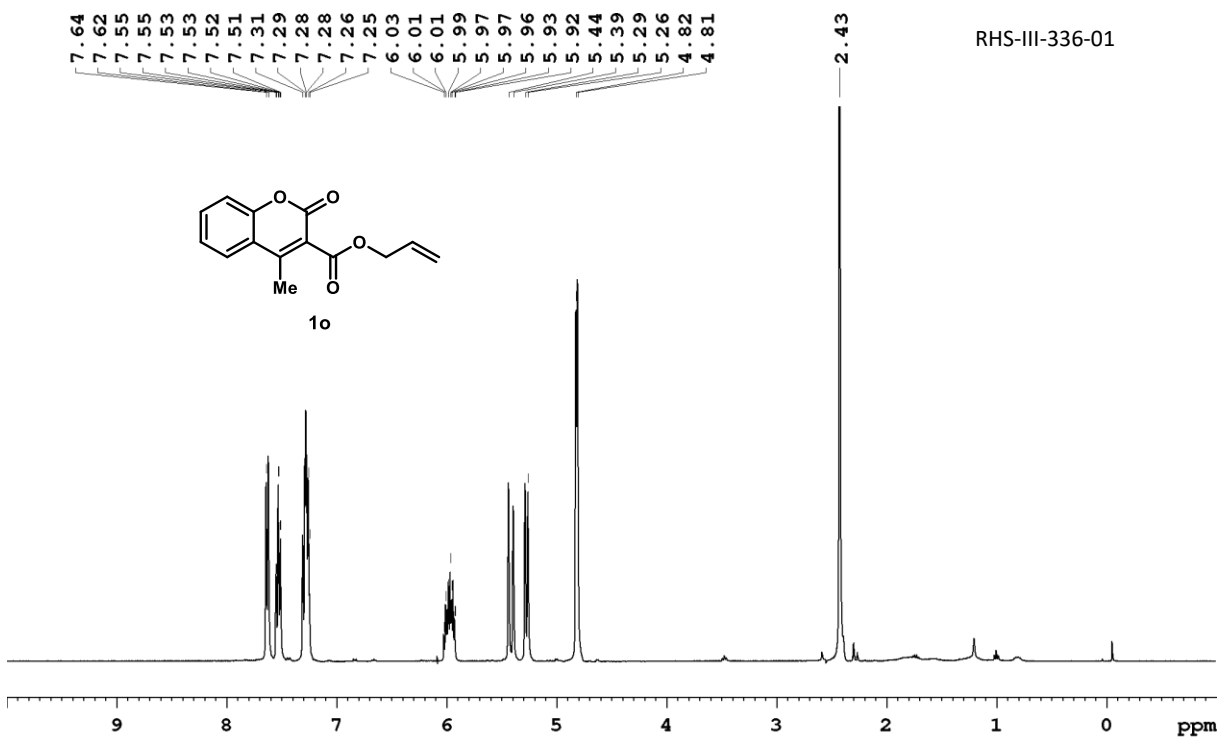
Rahul Sarkar, Sankash Mitra and Santanu Mukherjee*

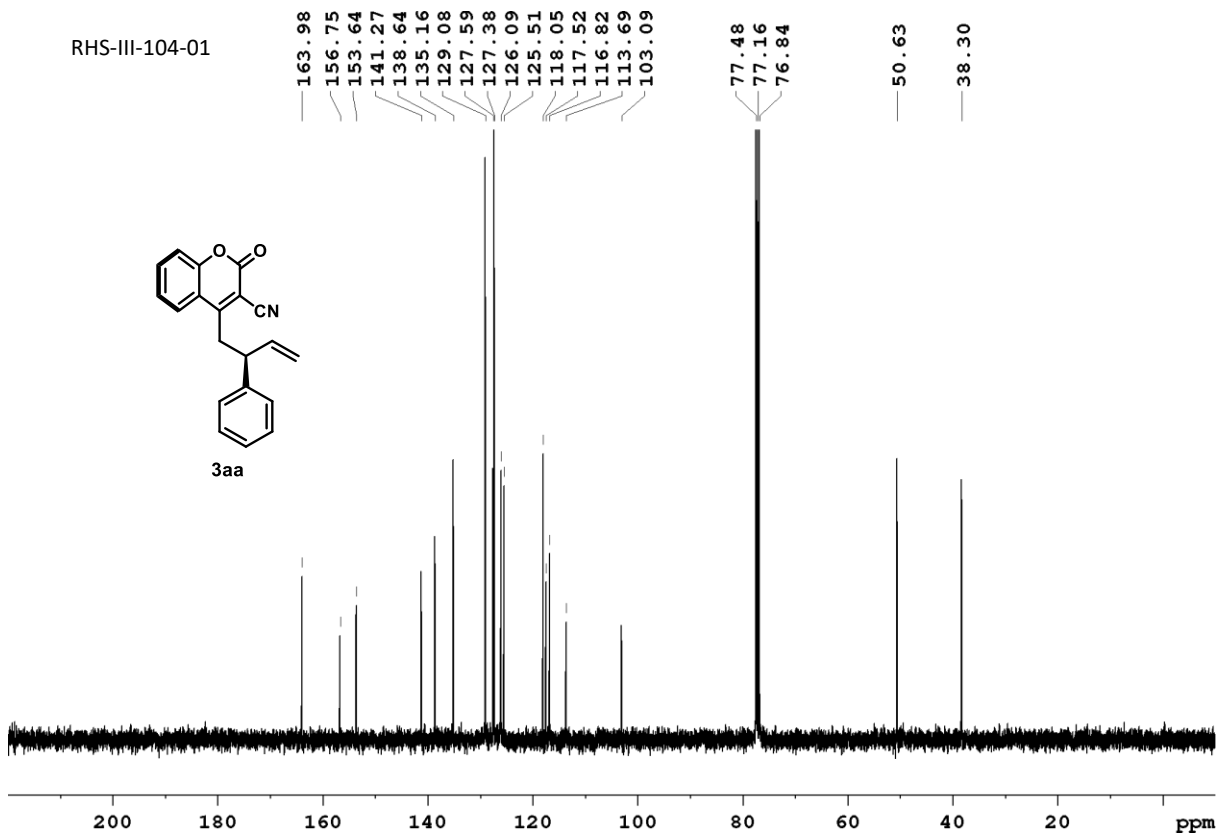
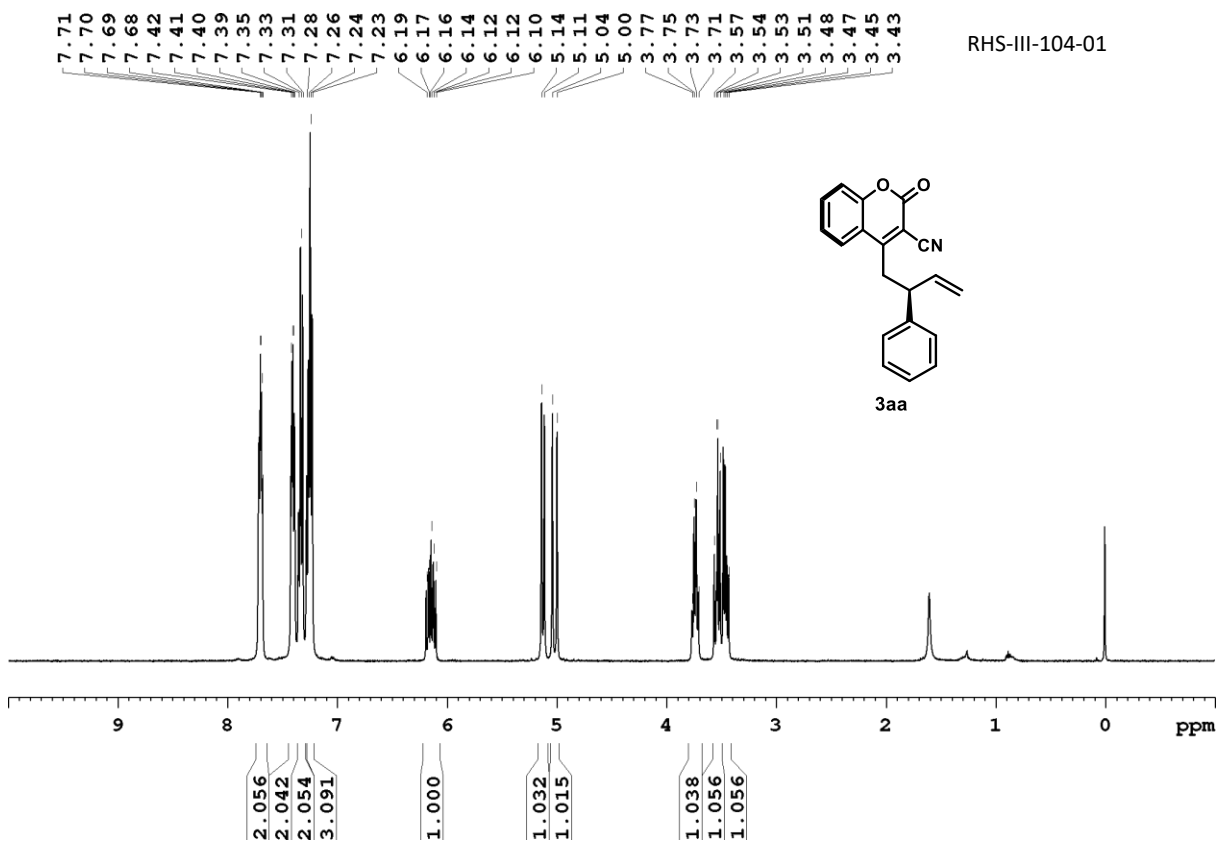
Department of Organic Chemistry, Indian Institute of Science, Bangalore 560 012, INDIA

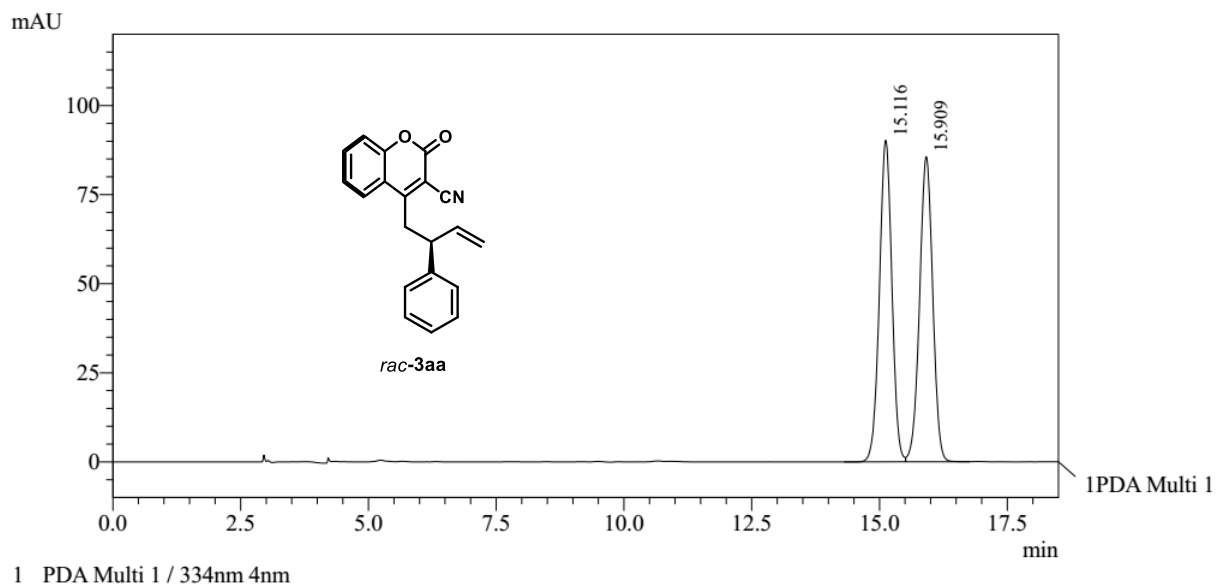
sm@iisc.ac.in









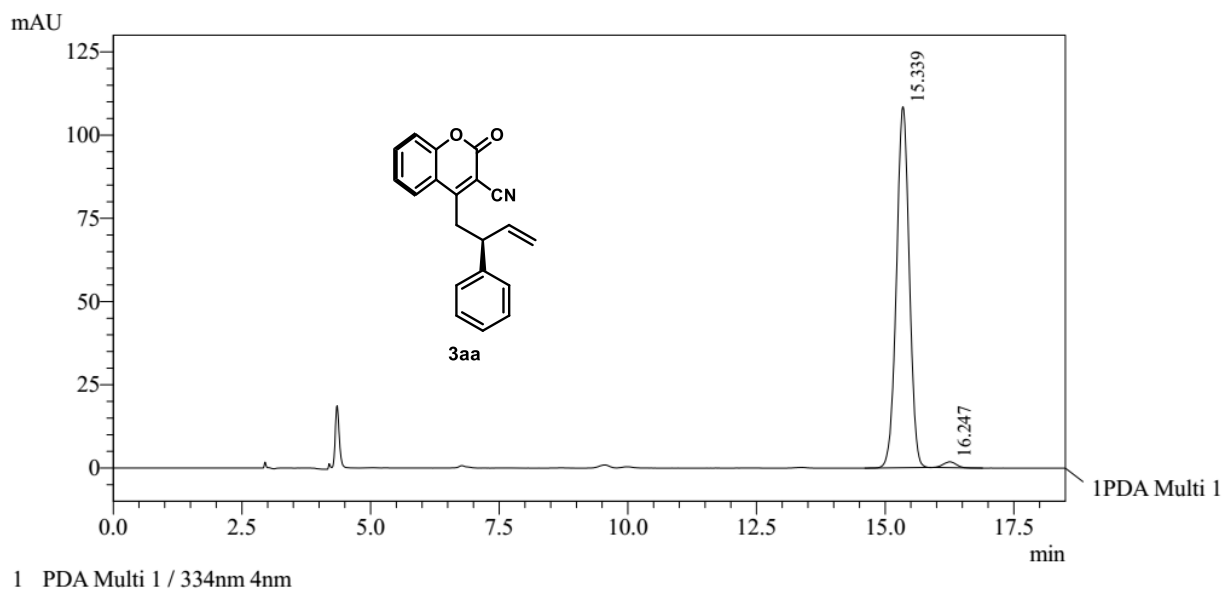


PeakTable

PDA Ch1 334nm 4nm

Peak#	Ret. Time	Area	Area %
1	15.116	1535400	50.012
2	15.909	1534651	49.988
Total		3070051	100.000

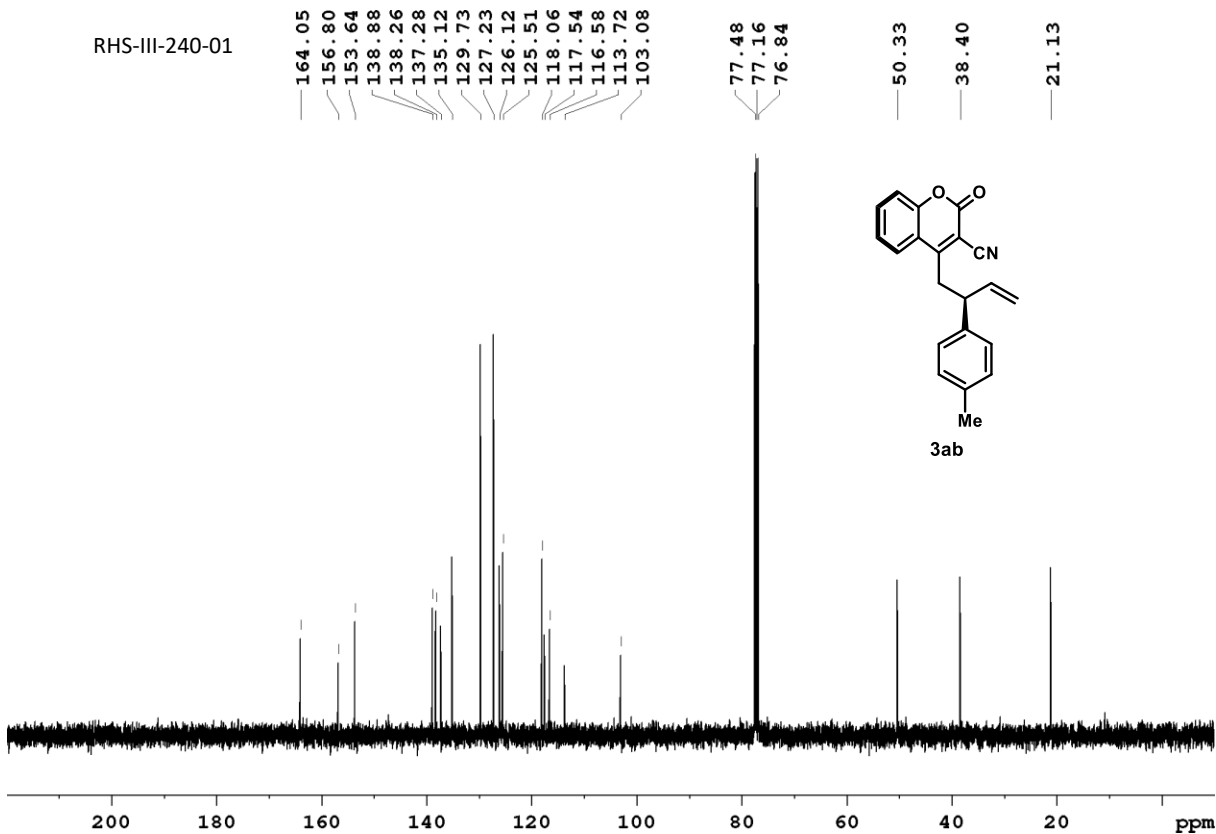
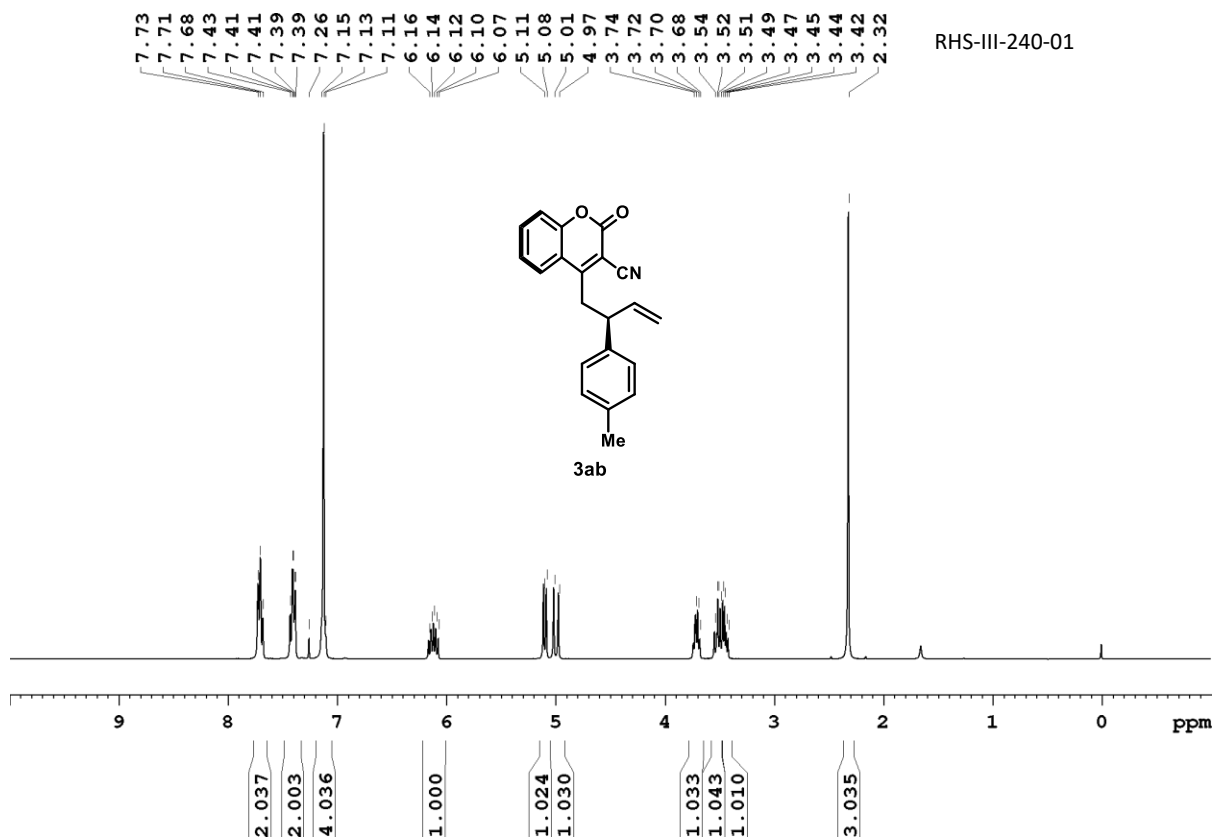
Daicel Chiralpak IB column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

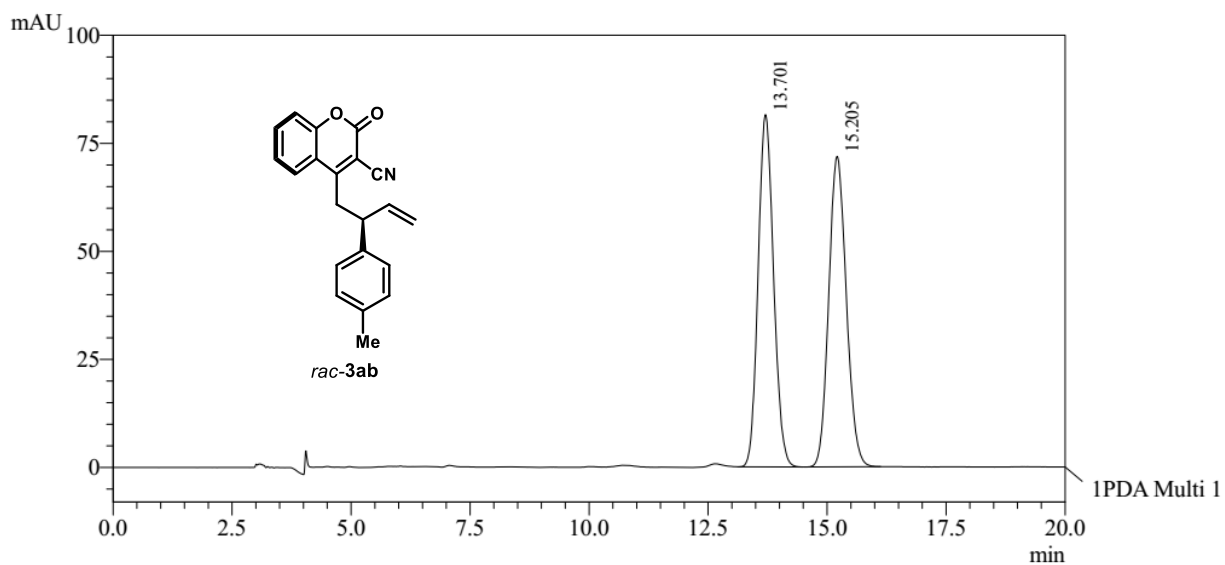


PeakTable

PDA Ch1 334nm 4nm

Peak#	Ret. Time	Area	Area %
1	15.339	1879113	98.417
2	16.247	30218	1.583
Total		1909331	100.000



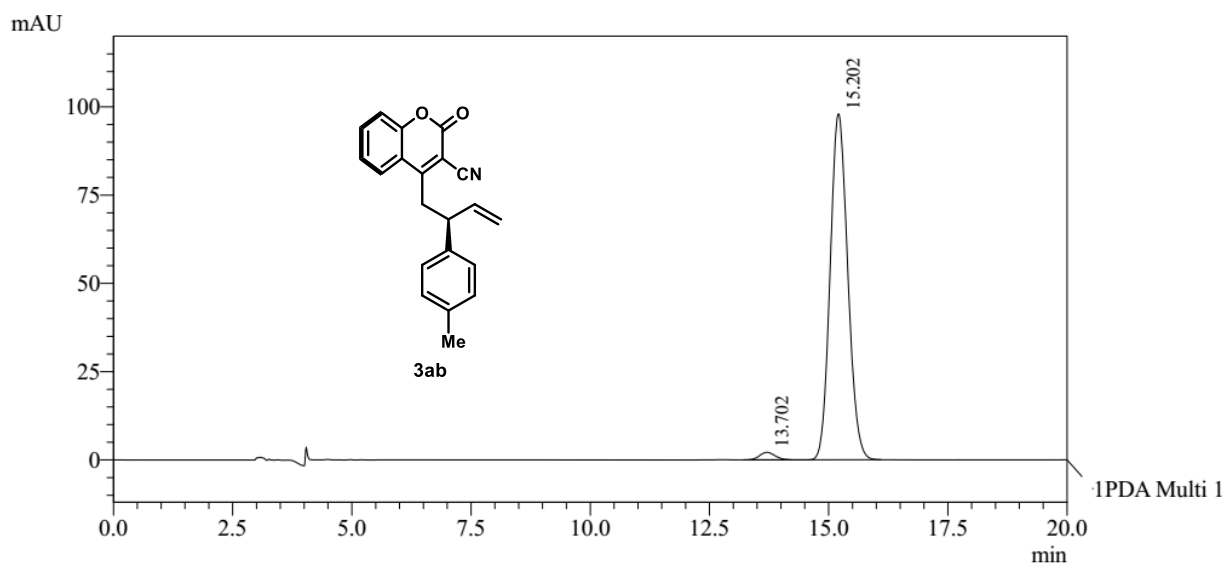


PeakTable

PDA Ch1 298nm 4nm

Peak#	Ret. Time	Area	Area %
1	13.701	1842643	49.902
2	15.205	1849847	50.098
Total		3692489	100.000

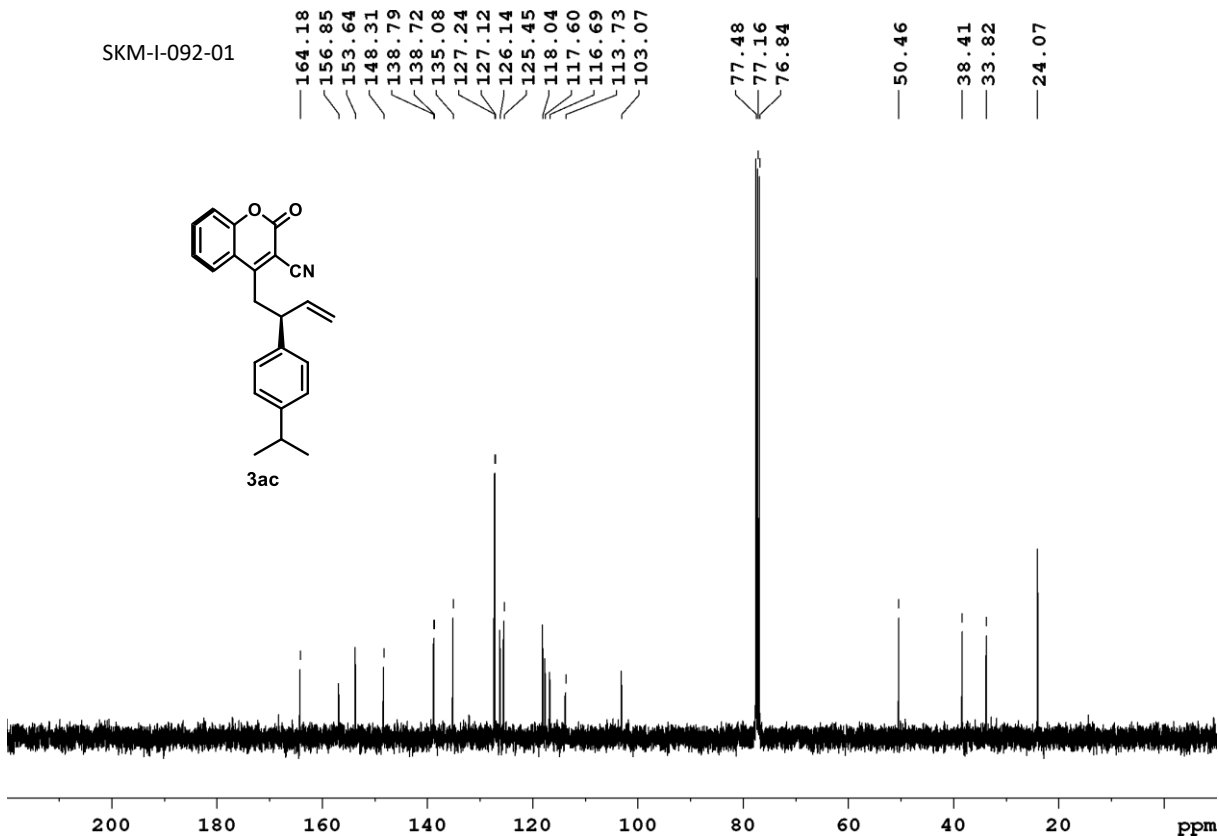
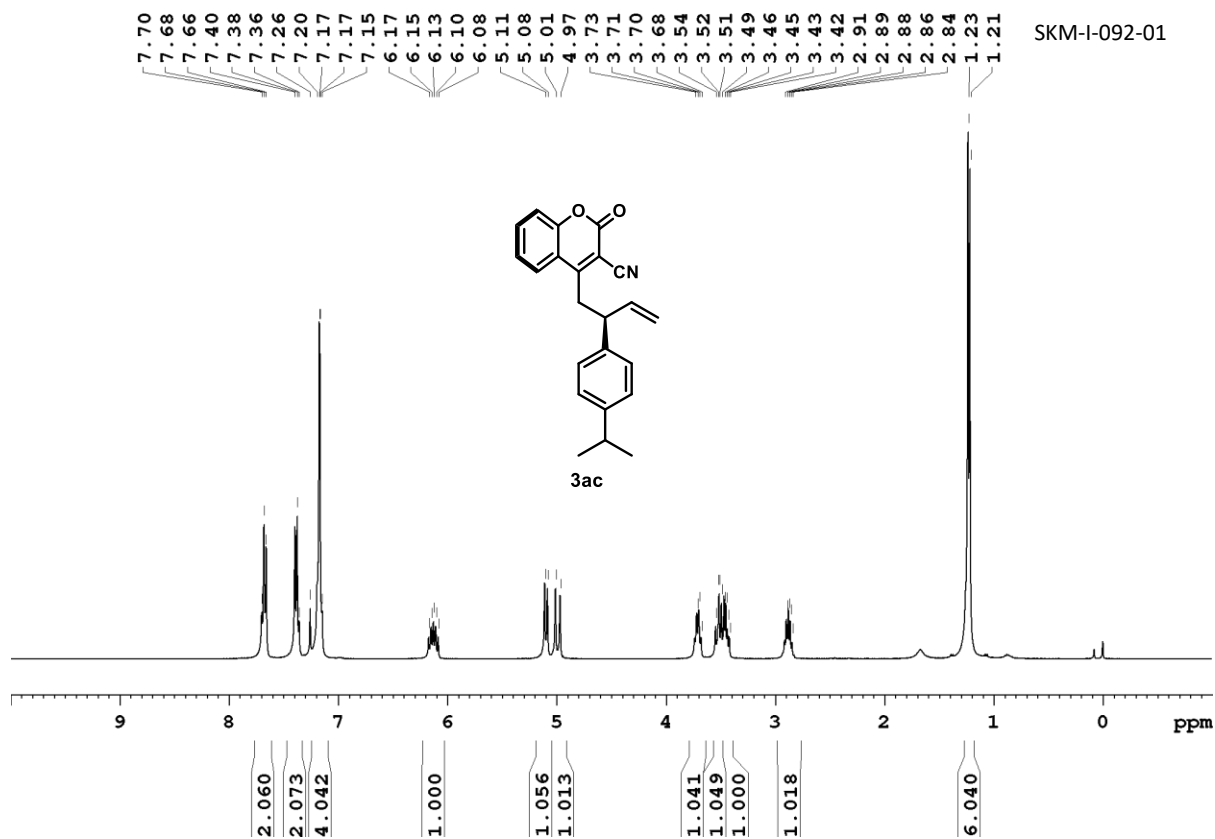
Daicel Chiralpak AS-H column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

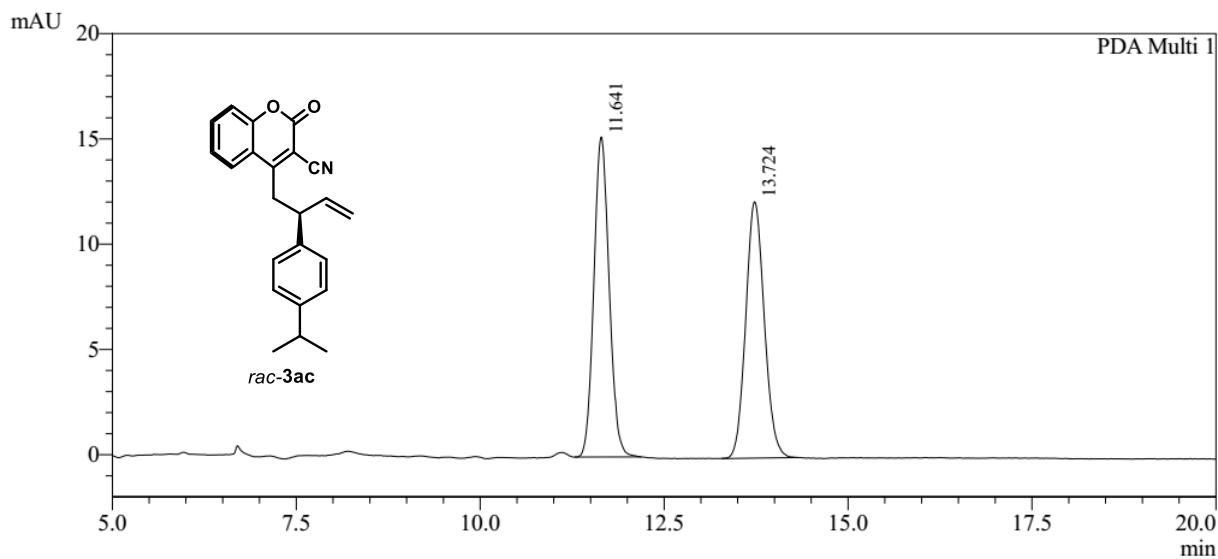


PeakTable

PDA Ch1 298nm 4nm

Peak#	Ret. Time	Area	Area %
1	13.702	48004	1.873
2	15.202	2514623	98.127
Total		2562626	100.000



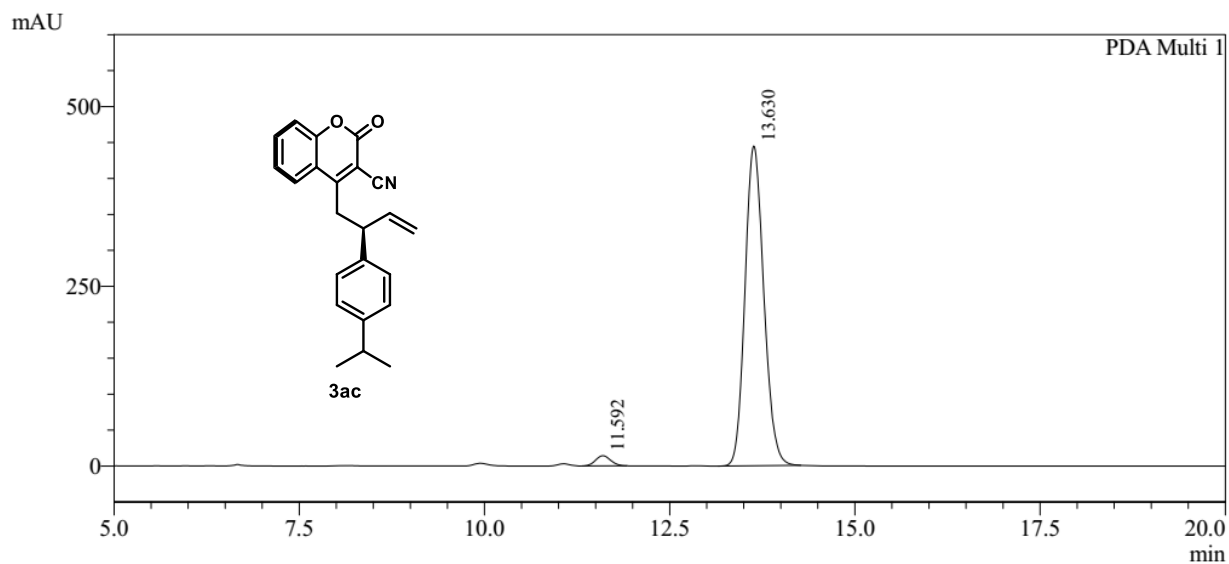


PeakTable

PDA Ch1 214nm 4nm

Peak#	Ret. Time	Area	Area %
1	11.641	219849	50.586
2	13.724	214755	49.414
Total		434604	100.000

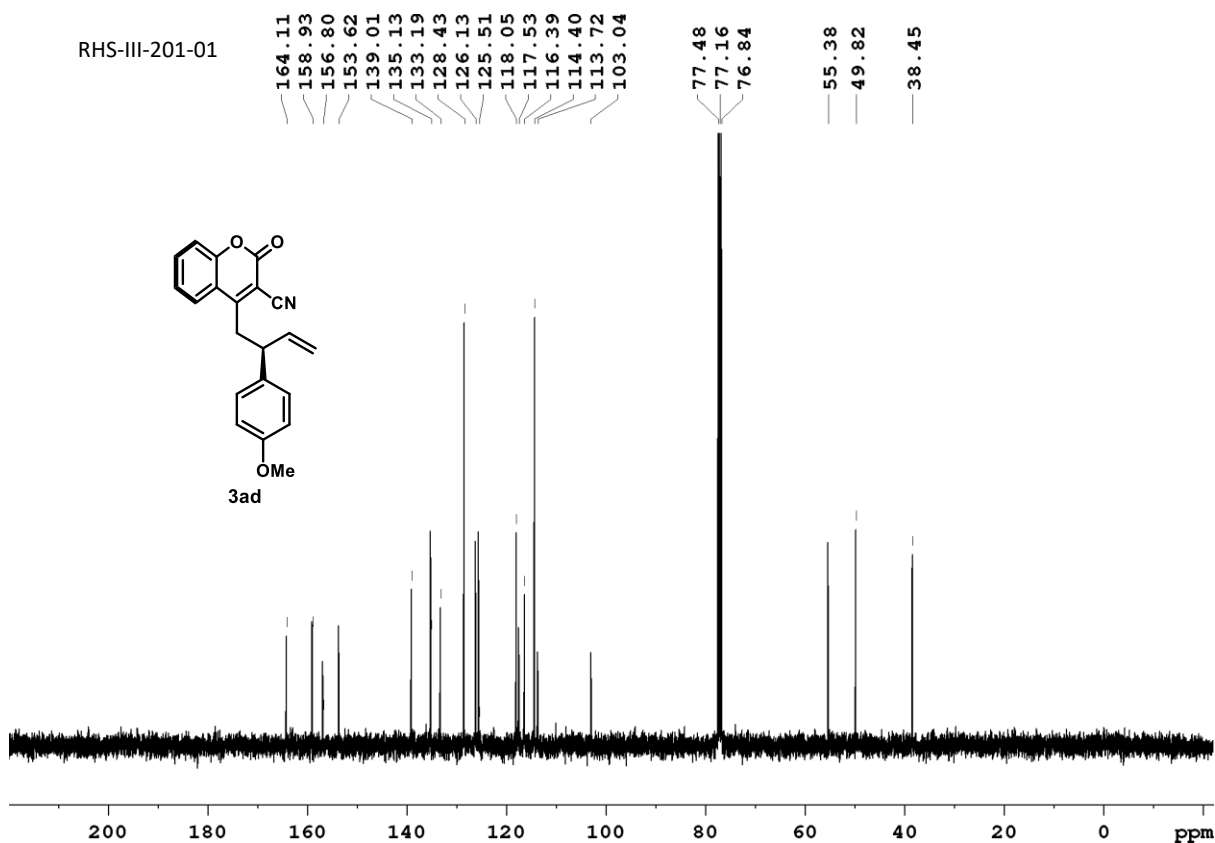
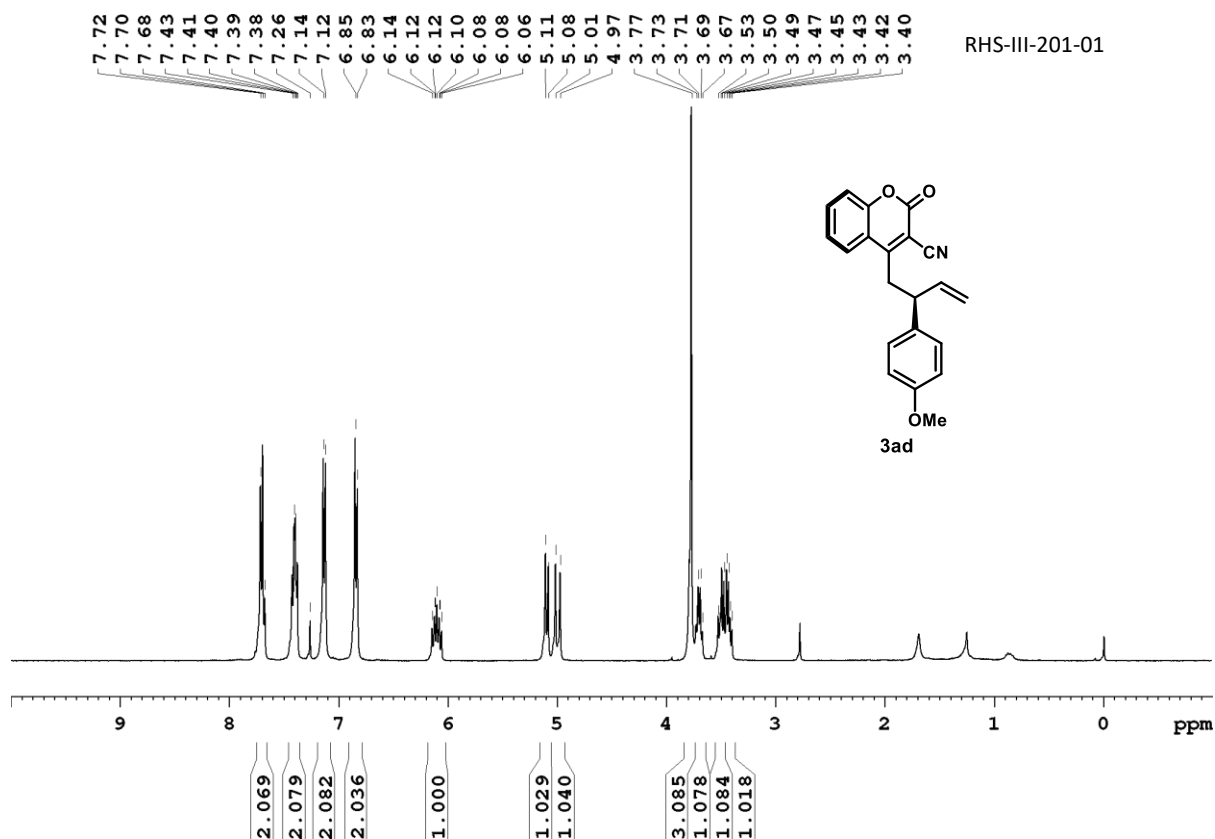
Daicel Chiralpak IA column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

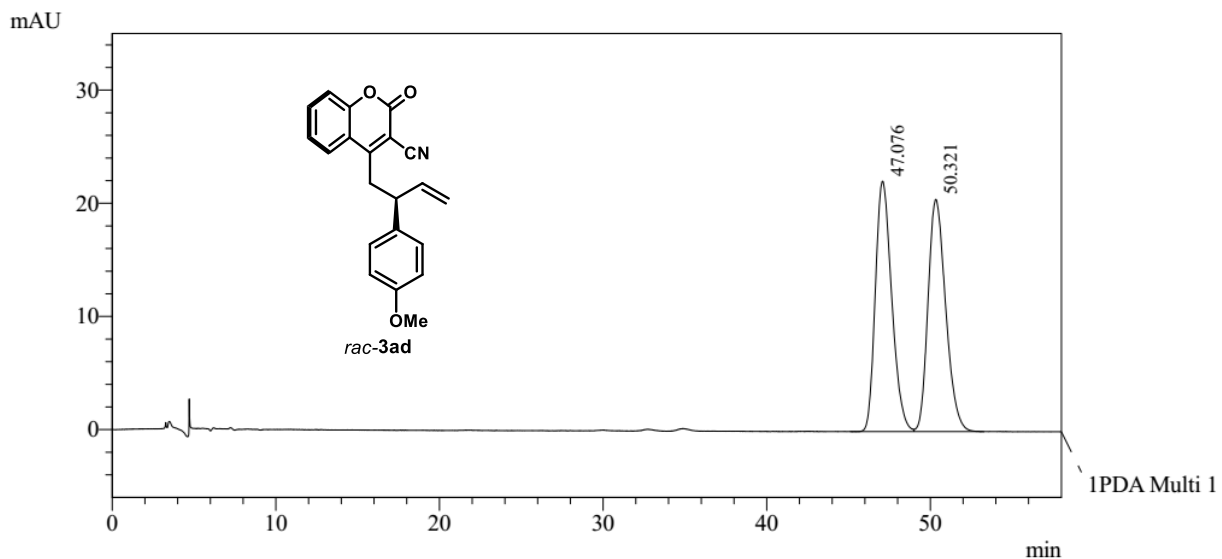


PeakTable

PDA Ch1 214nm 4nm

Peak#	Ret. Time	Area	Area %
1	11.592	200304	2.488
2	13.630	7850113	97.512
Total		8050417	100.000





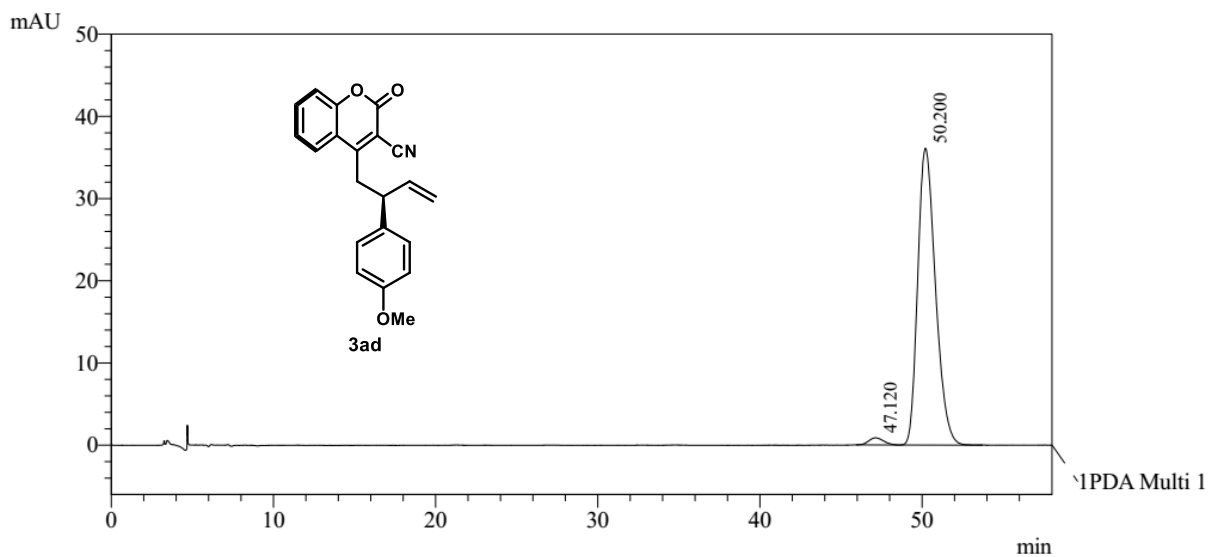
1 PDA Multi 1 / 285nm 4nm

PeakTable

PDA Ch1 285nm 4nm

Peak#	Ret. Time	Area	Area %
1	47.076	1538664	49.935
2	50.321	1542680	50.065
Total		3081343	100.000

Daicel Chiralpak IE column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

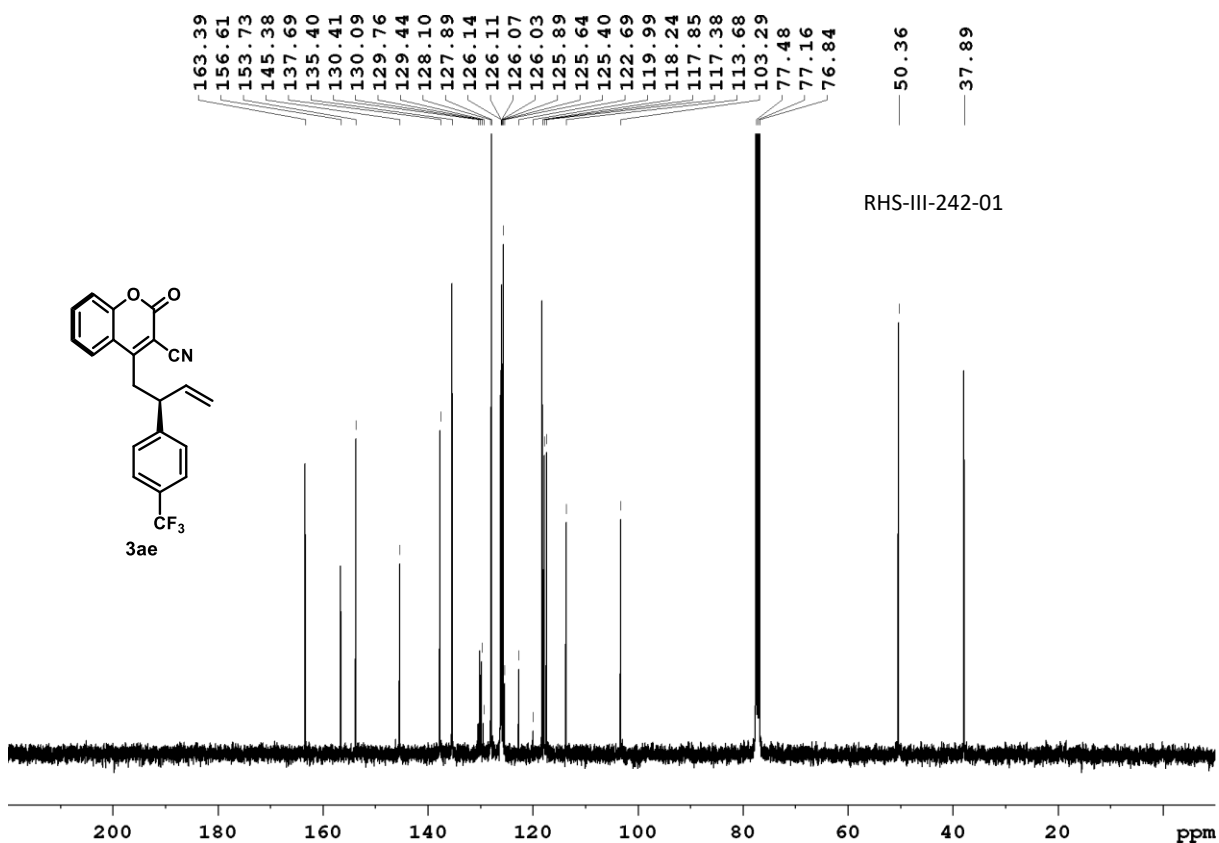
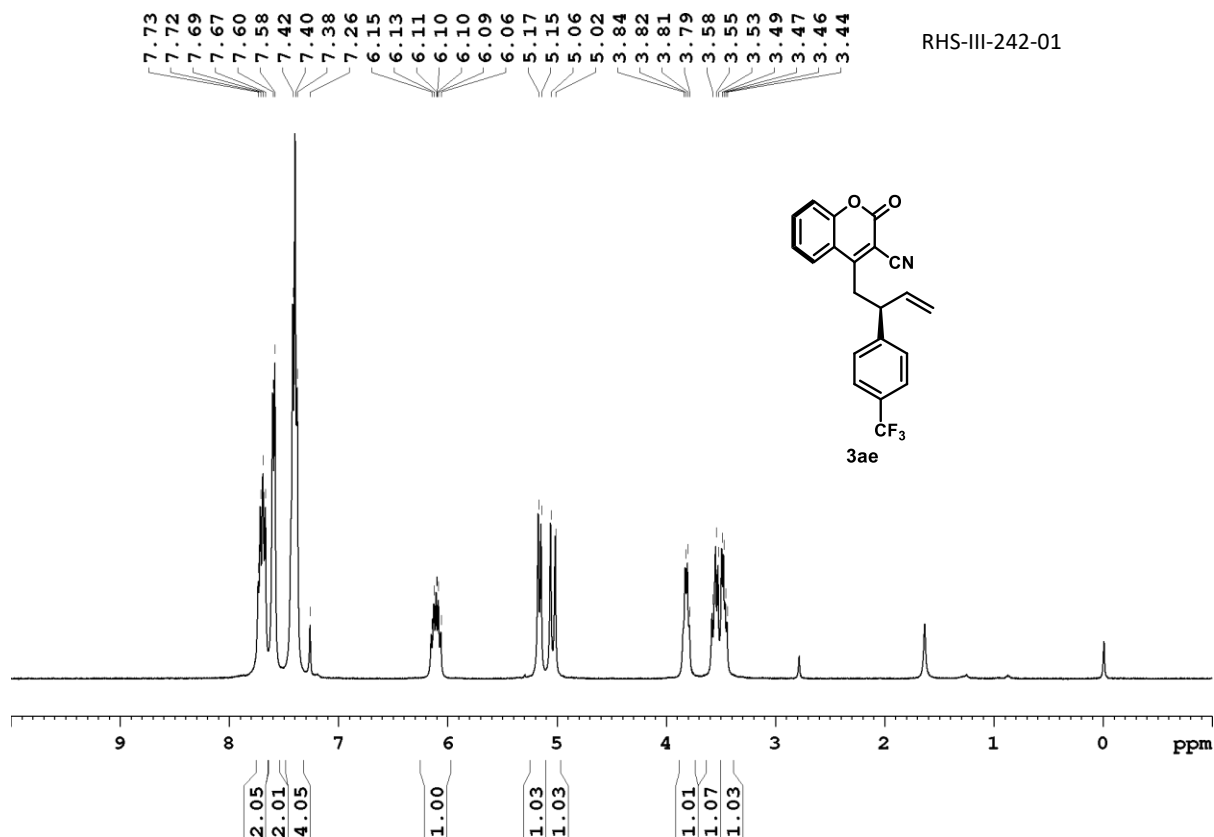


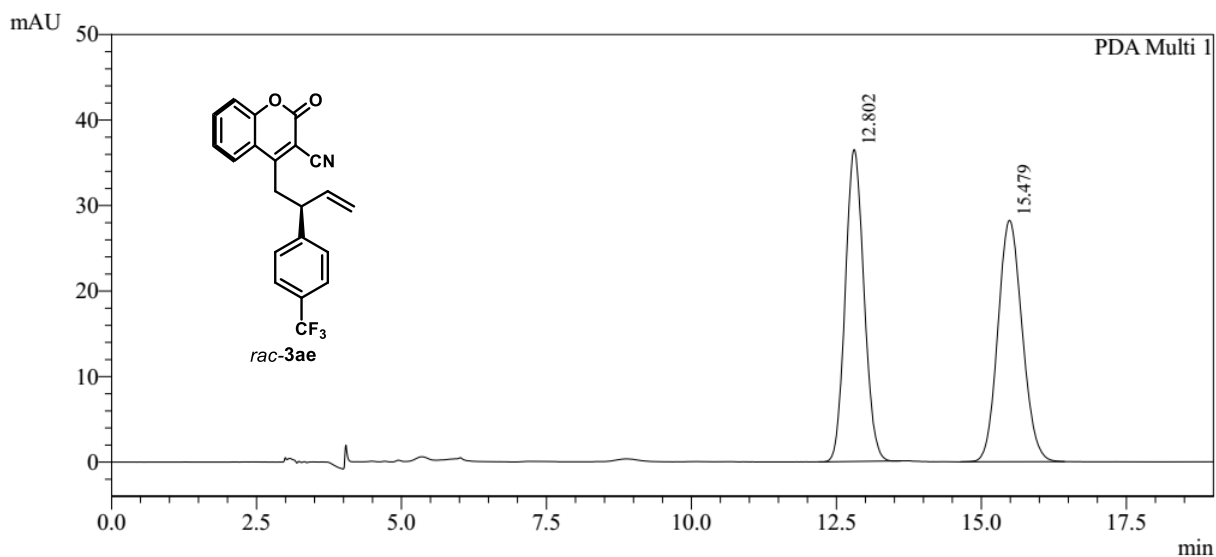
1 PDA Multi 1 / 285nm 4nm

PeakTable

PDA Ch1 285nm 4nm

Peak#	Ret. Time	Area	Area %
1	47.120	55651	1.989
2	50.200	2742224	98.011
Total		2797875	100.000



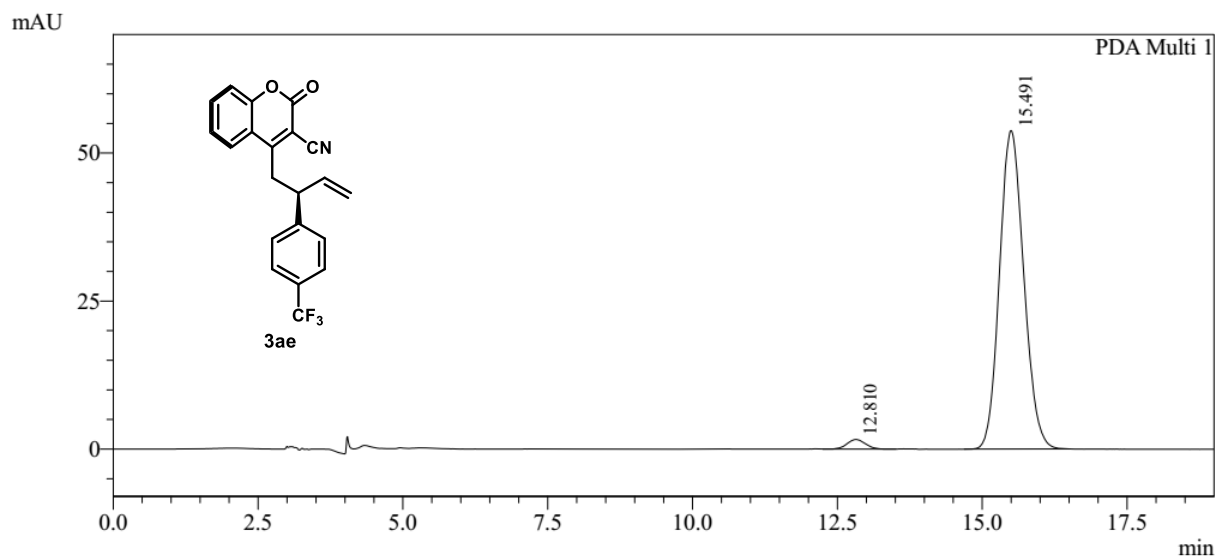


PeakTable

PDA Ch1 320nm 4nm

Peak#	Ret. Time	Area	Area %
1	12.802	816839	49.851
2	15.479	821724	50.149
Total		1638563	100.000

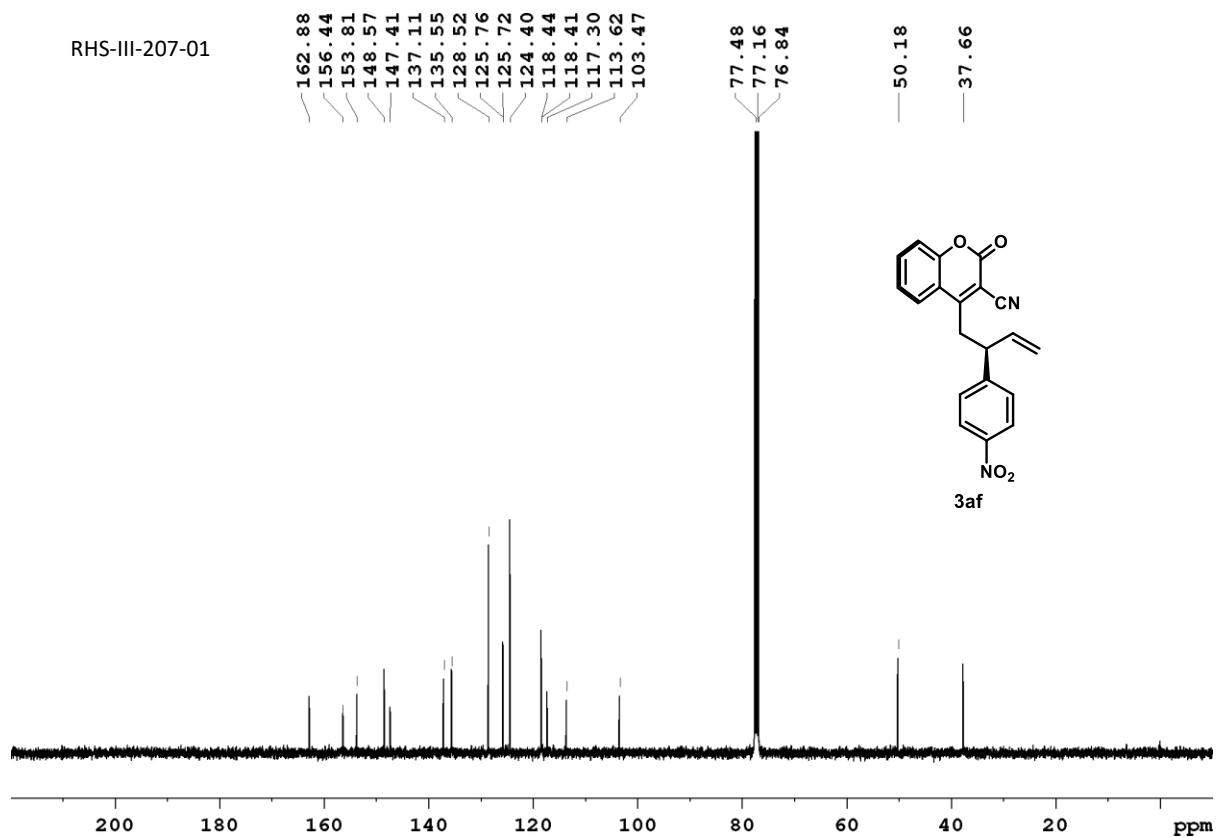
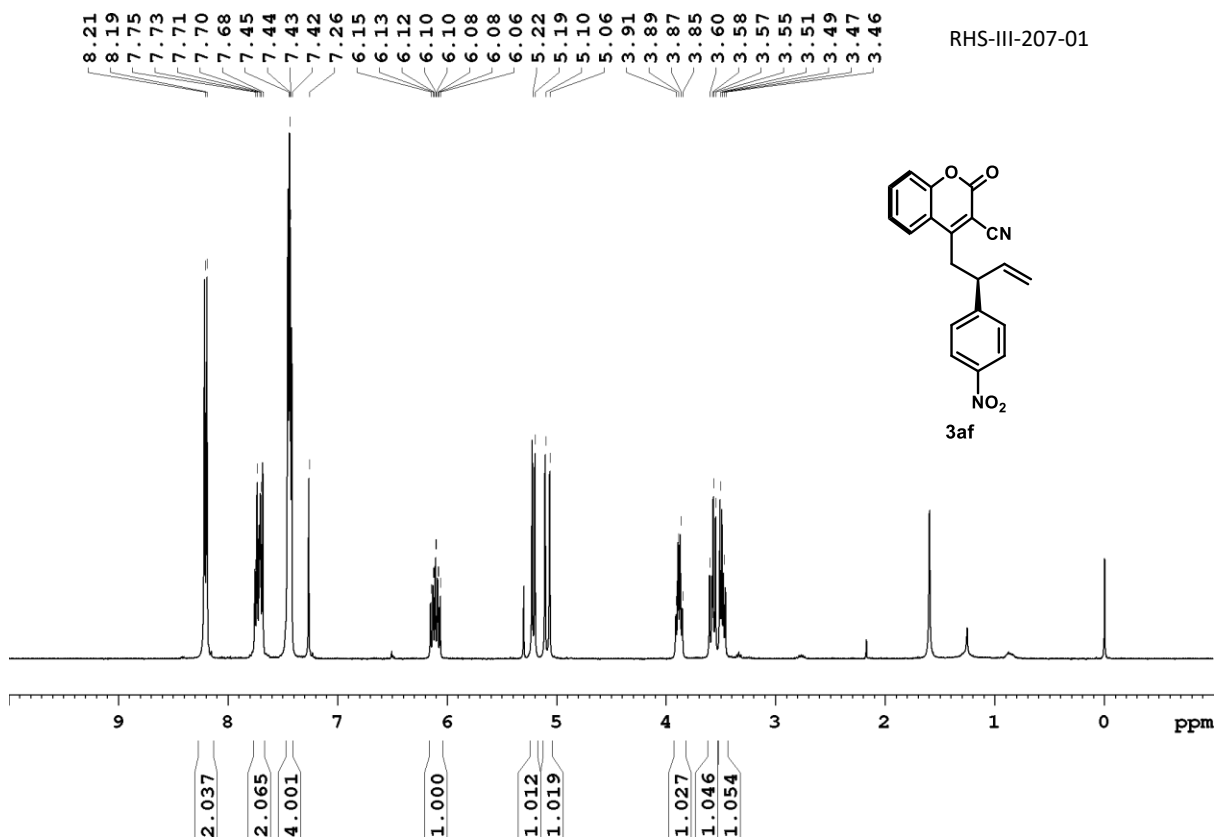
Daicel Chiralpak AS-H column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

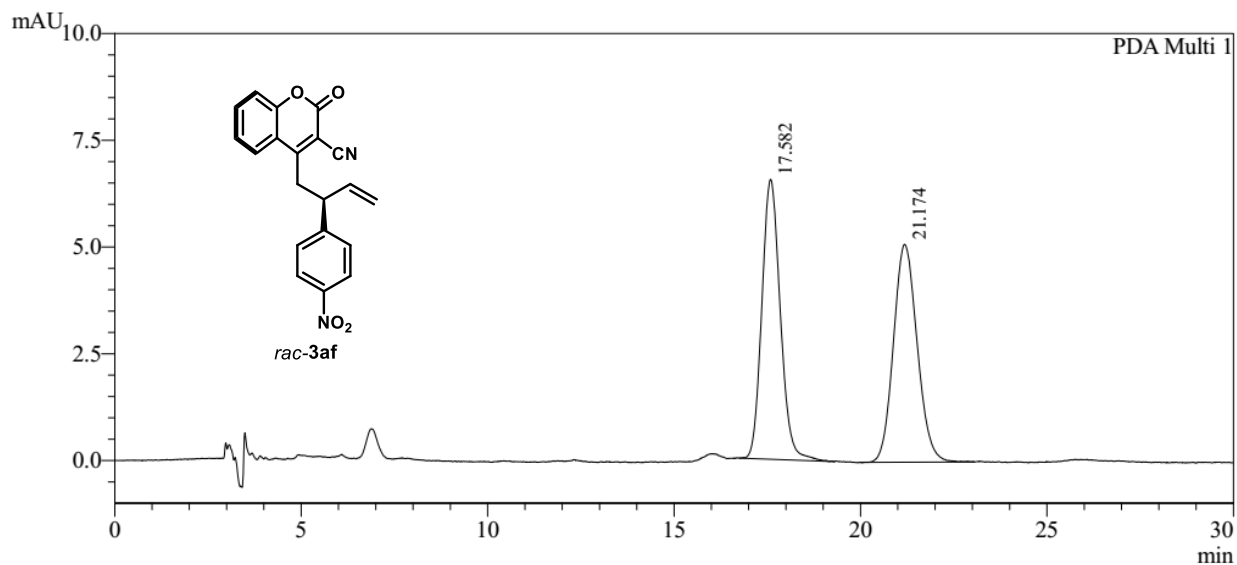


PeakTable

PDA Ch1 320nm 4nm

Peak#	Ret. Time	Area	Area %
1	12.810	35237	2.200
2	15.491	1566345	97.800
Total		1601582	100.000



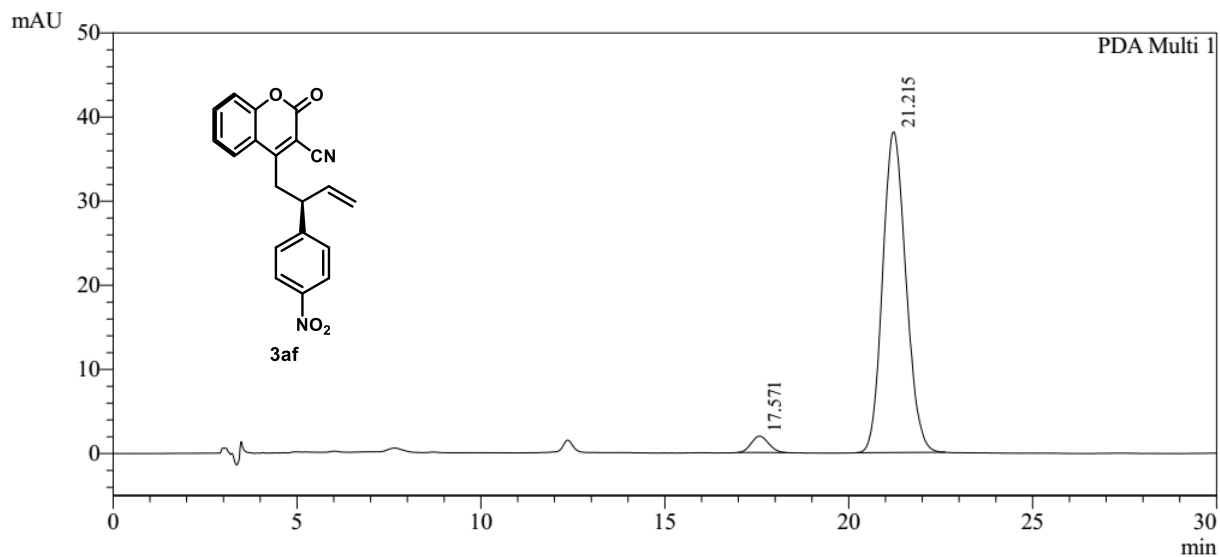


PeakTable

PDA Ch1 300nm 4nm

Peak#	Ret. Time	Area	Area %
1	17.582	225484	49.970
2	21.174	225753	50.030
Total		451237	100.000

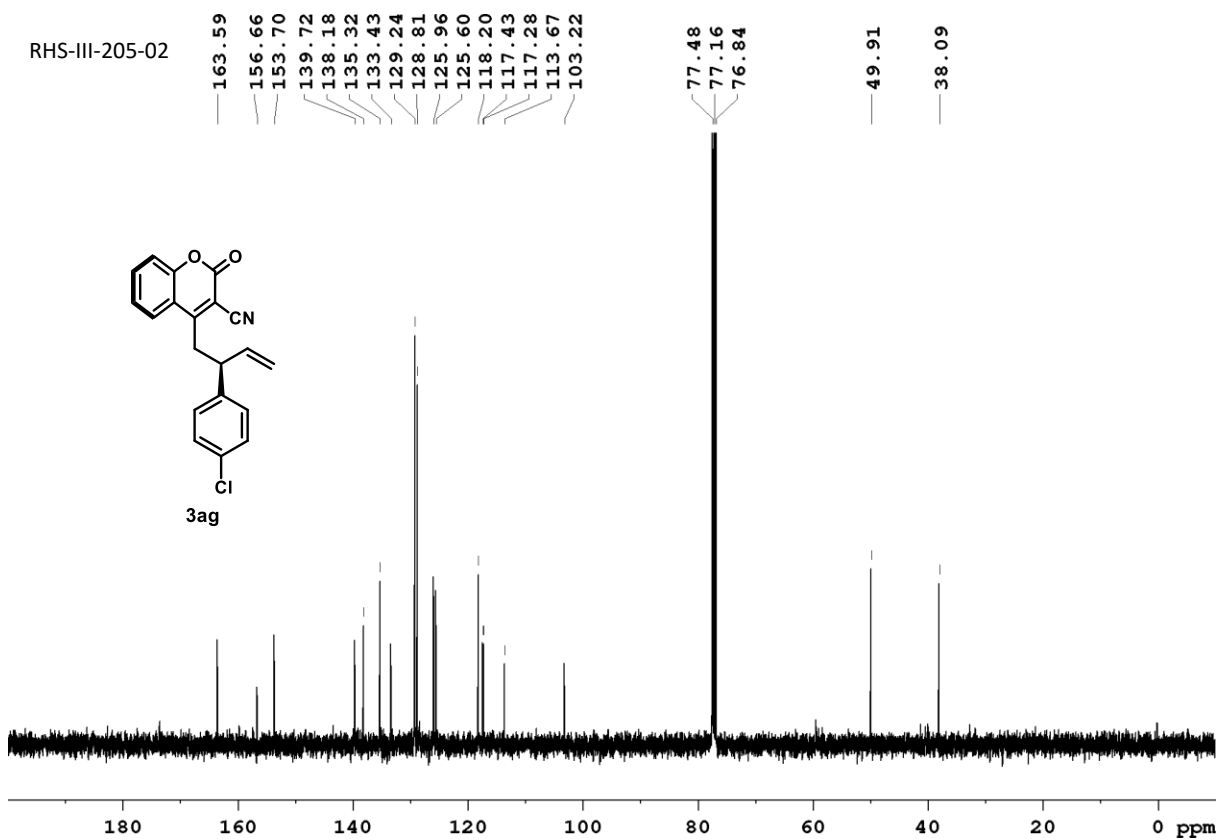
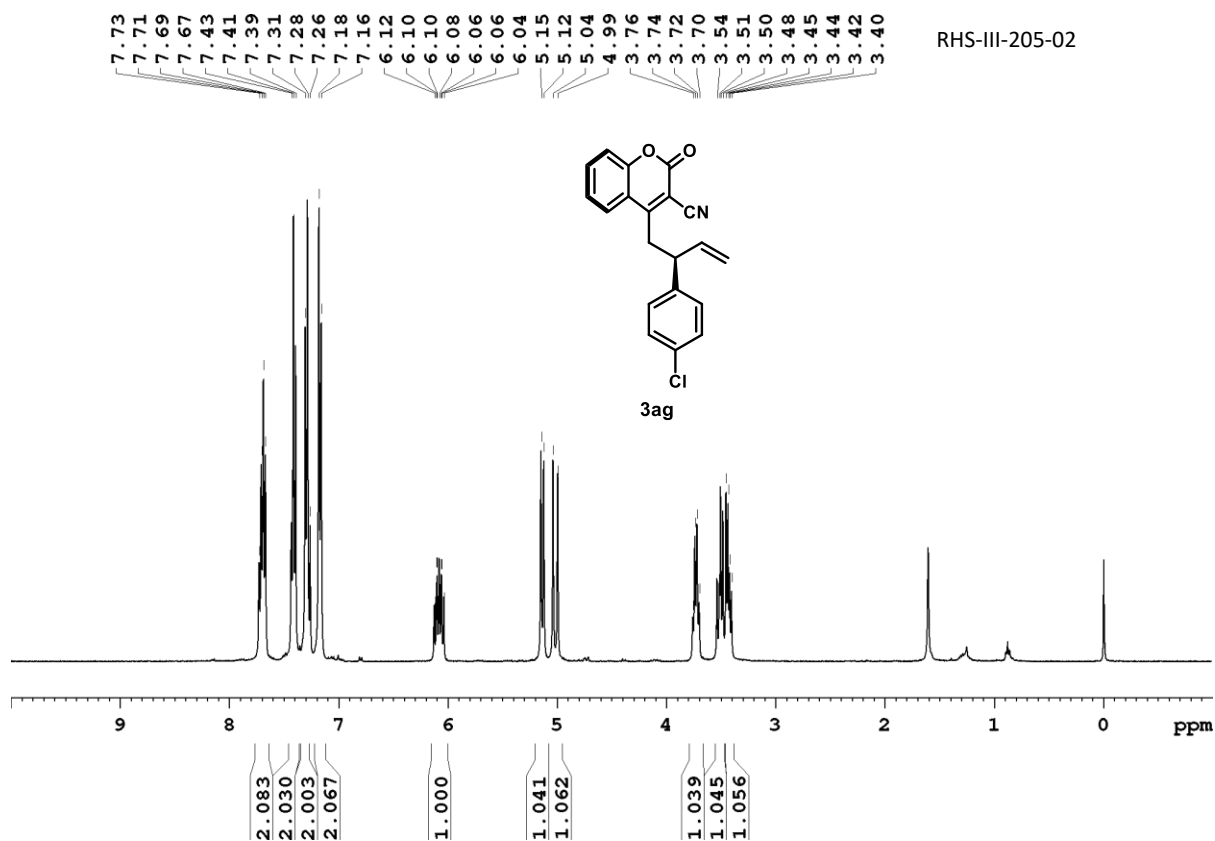
Daicel Chiralpak AS-H column (75:25 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

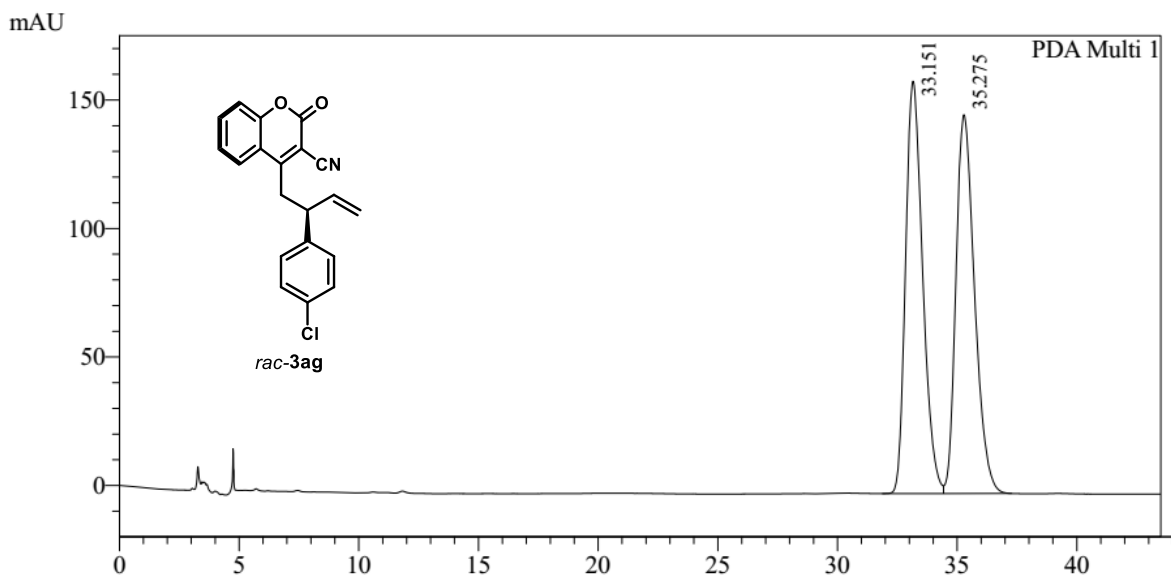


PeakTable

PDA Ch1 300nm 4nm

Peak#	Ret. Time	Area	Area %
1	17.571	63402	3.639
2	21.215	1678998	96.361
Total		1742401	100.000



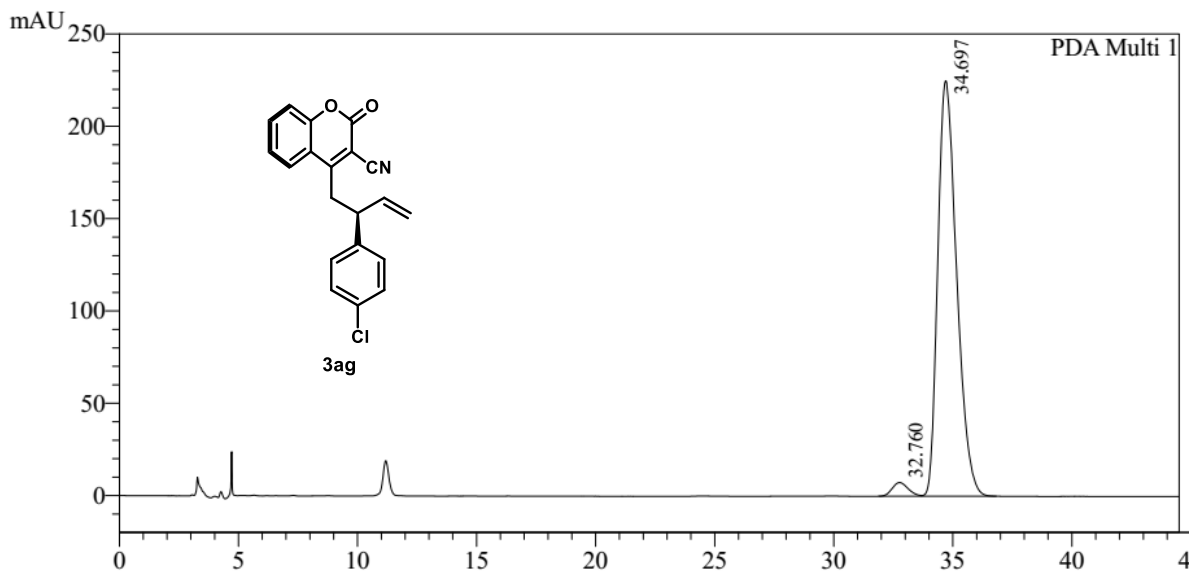


PeakTable

PDA Ch1 223nm 4nm

Peak#	Ret. Time	Area	Area %
1	33.151	7967280	49.943
2	35.275	7985485	50.057
Total		15952765	100.000

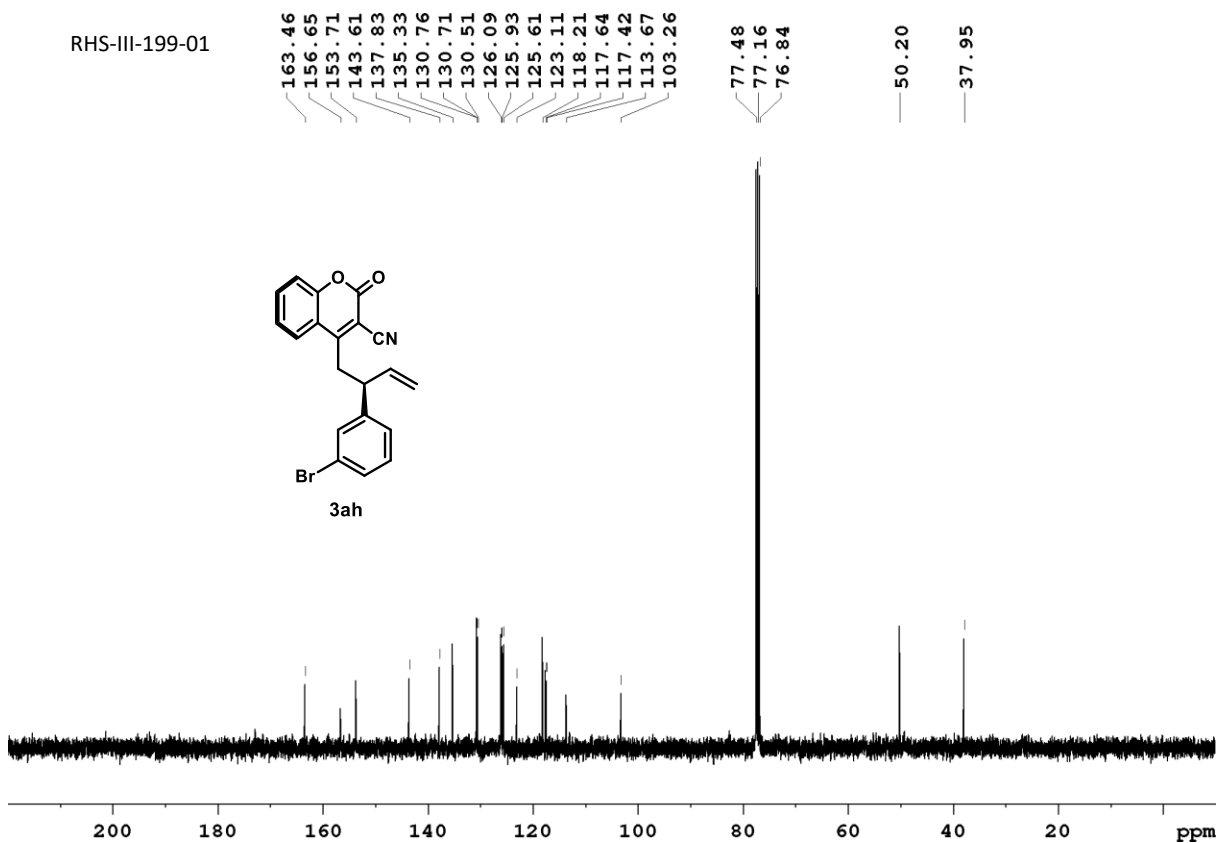
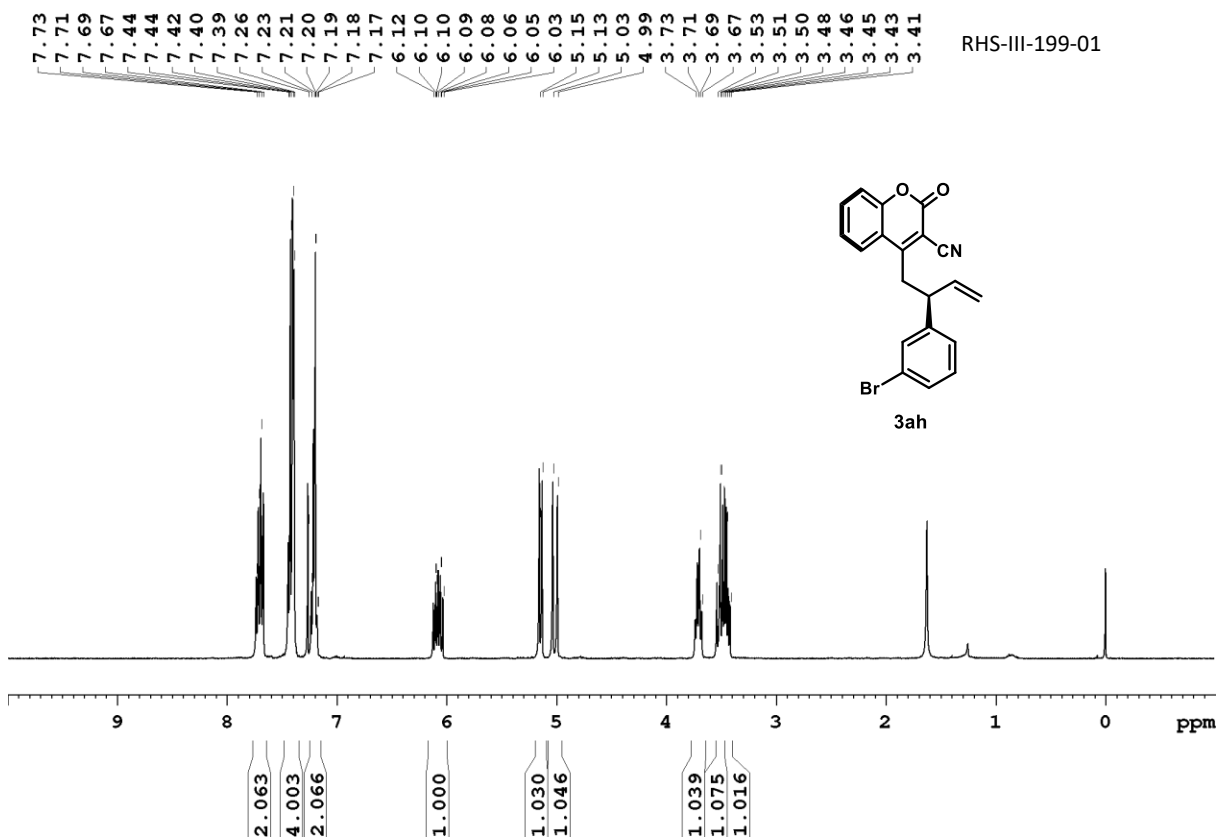
Daicel Chiralpak IE column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

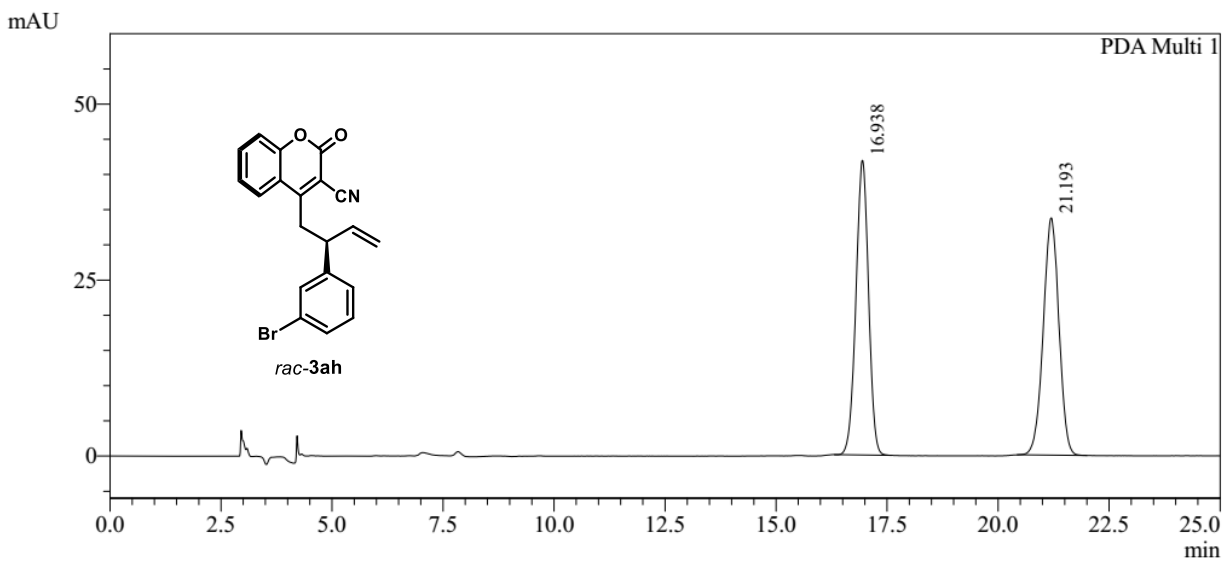


PeakTable

PDA Ch1 223nm 4nm

Peak#	Ret. Time	Area	Area %
1	32.760	348199	2.725
2	34.697	12428740	97.275
Total		12776939	100.000



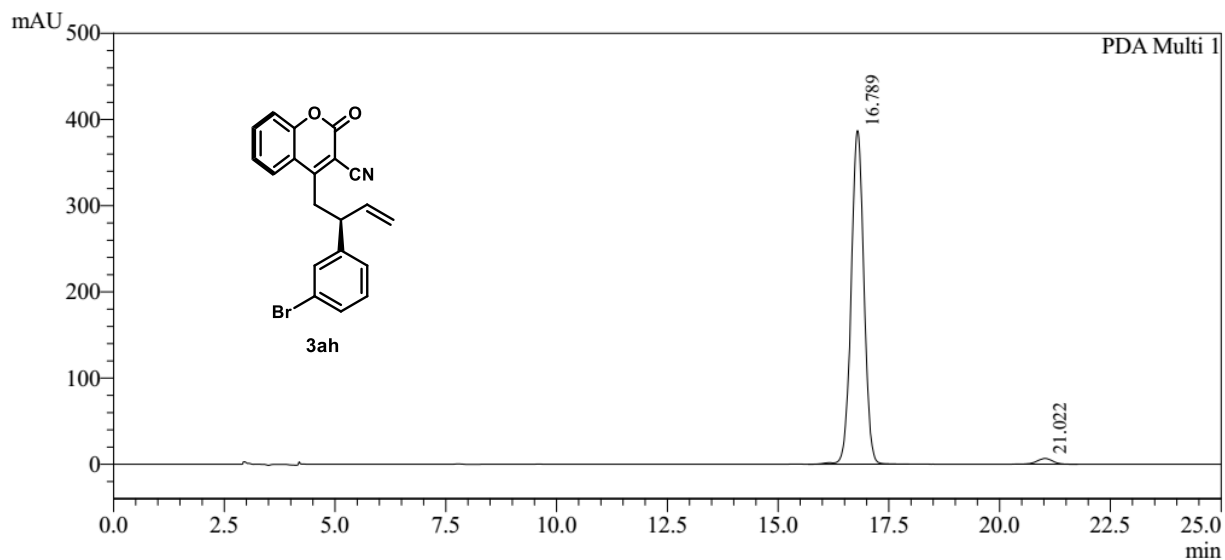


PeakTable

PDA Ch1 288nm 4nm

Peak#	Ret. Time	Area	Area %
1	16.938	827407	49.960
2	21.193	828744	50.040
Total		1656151	100.000

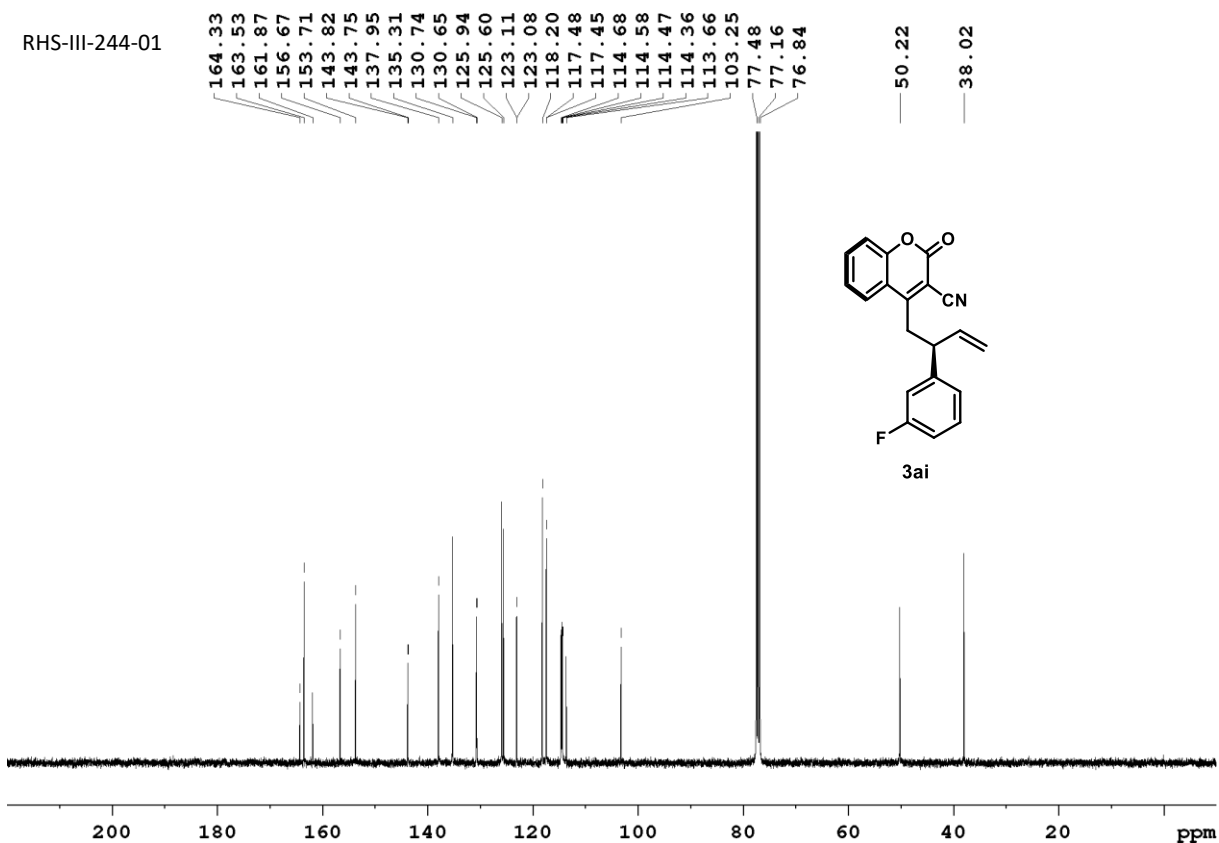
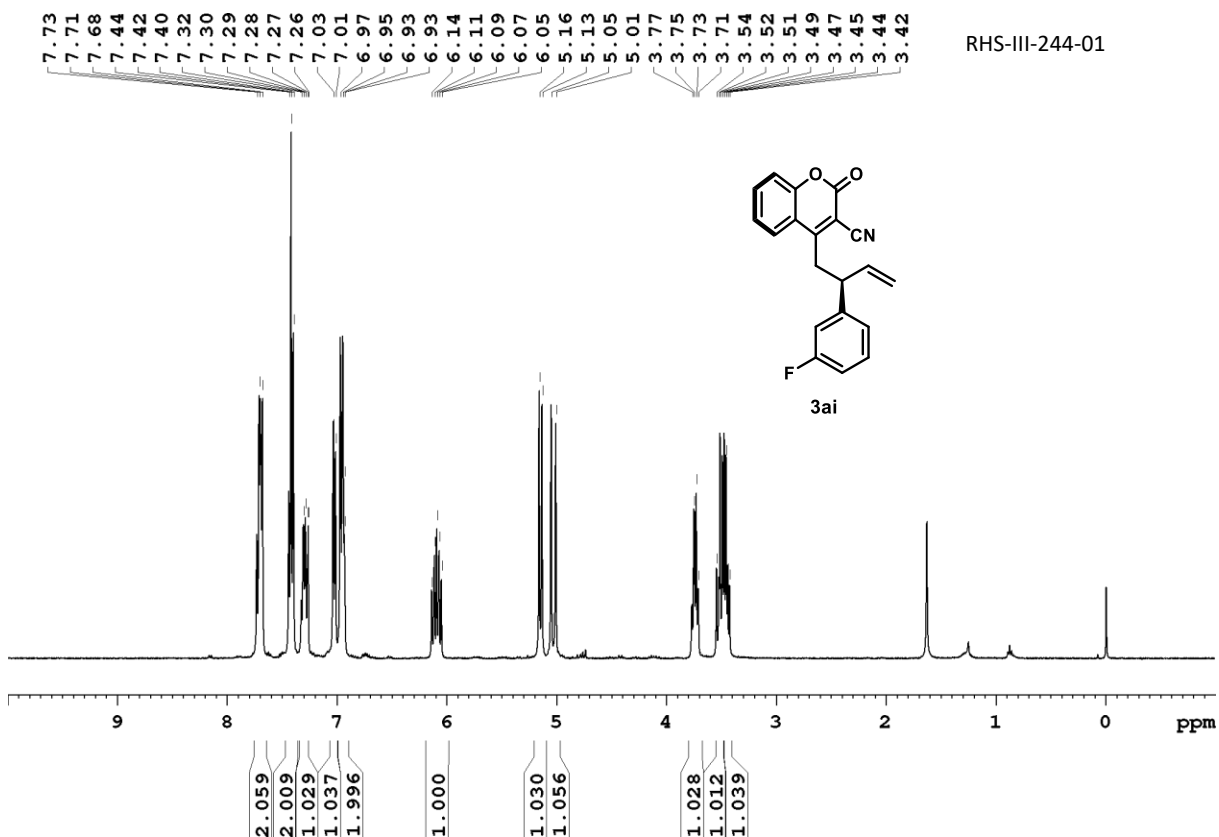
Daicel Chiralpak IB column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

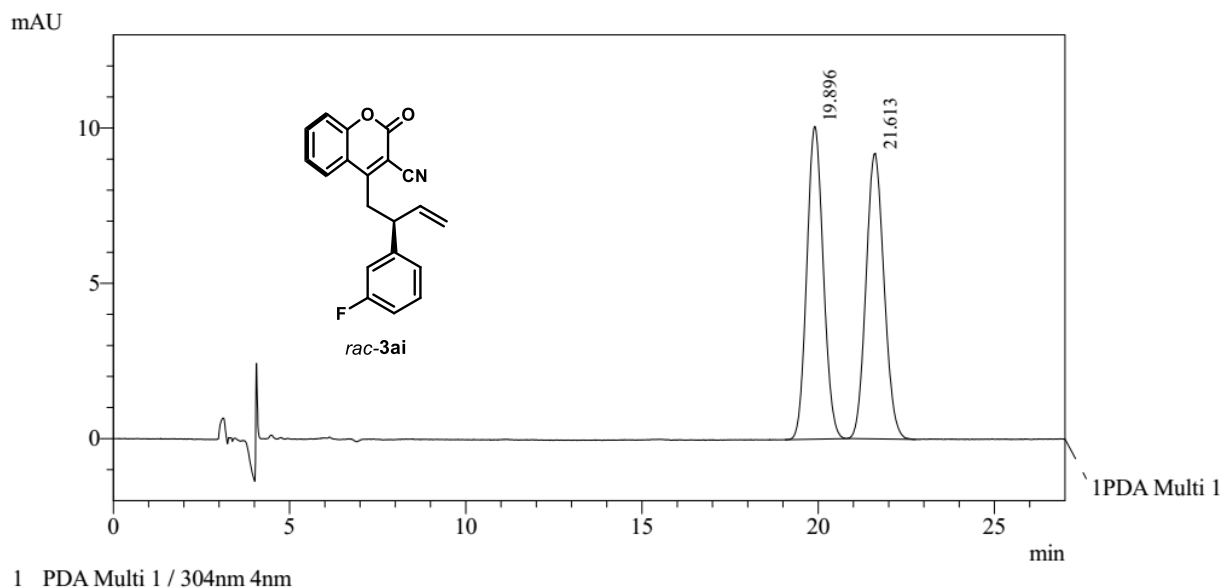


PeakTable

PDA Ch1 288nm 4nm

Peak#	Ret. Time	Area	Area %
1	16.789	7649655	97.925
2	21.022	162100	2.075
Total		7811755	100.000



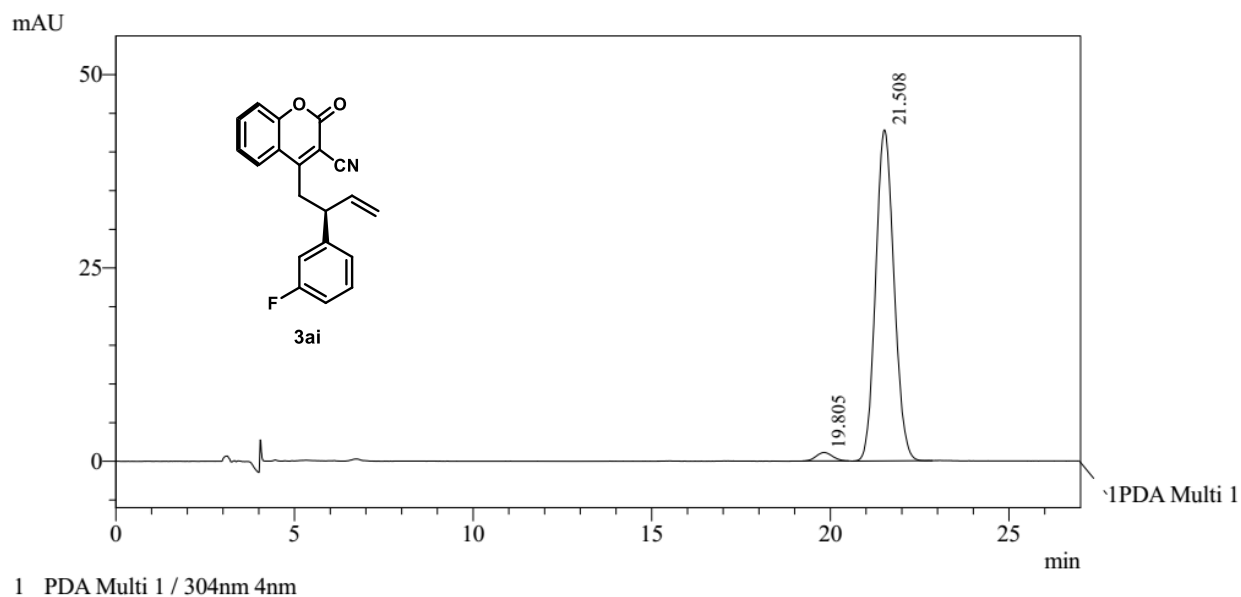


PeakTable

PDA Ch1 304nm 4nm

Peak#	Ret. Time	Area	Area %
1	19.896	327345	49.976
2	21.613	327662	50.024
Total		655007	100.000

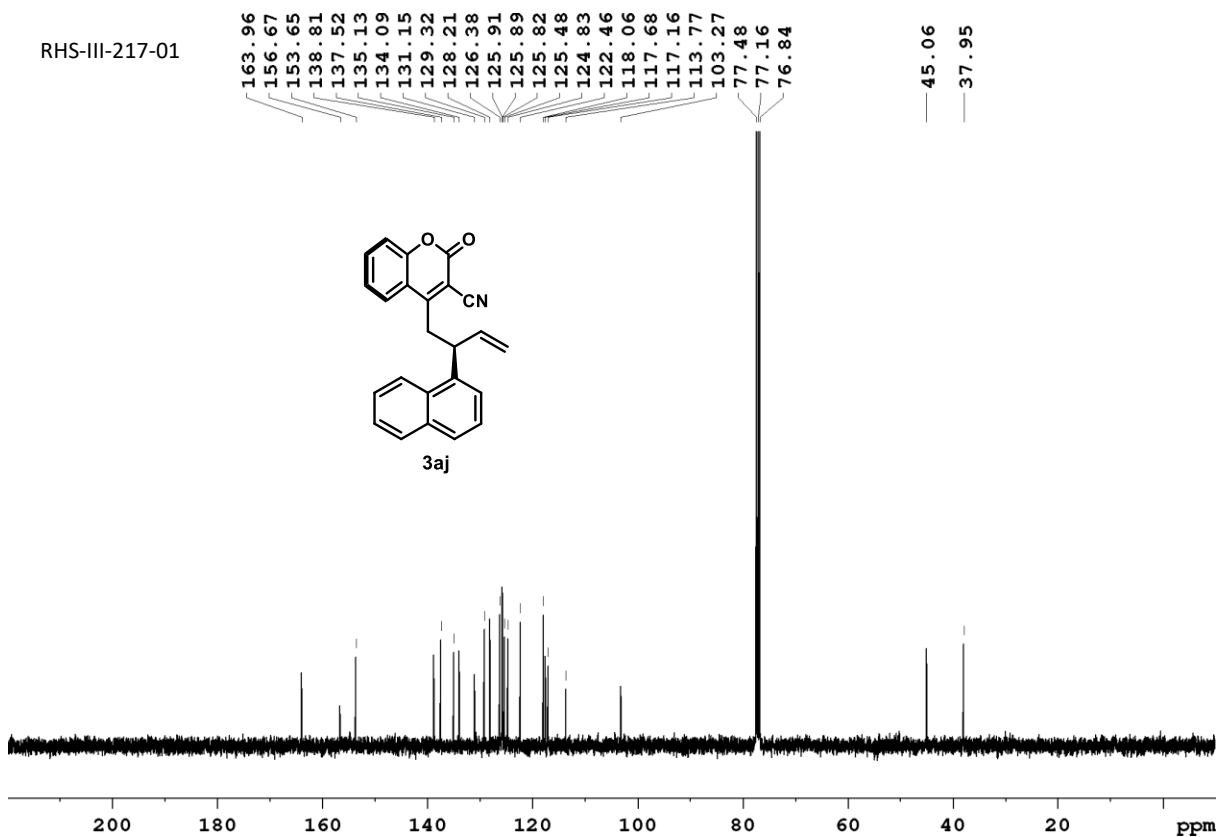
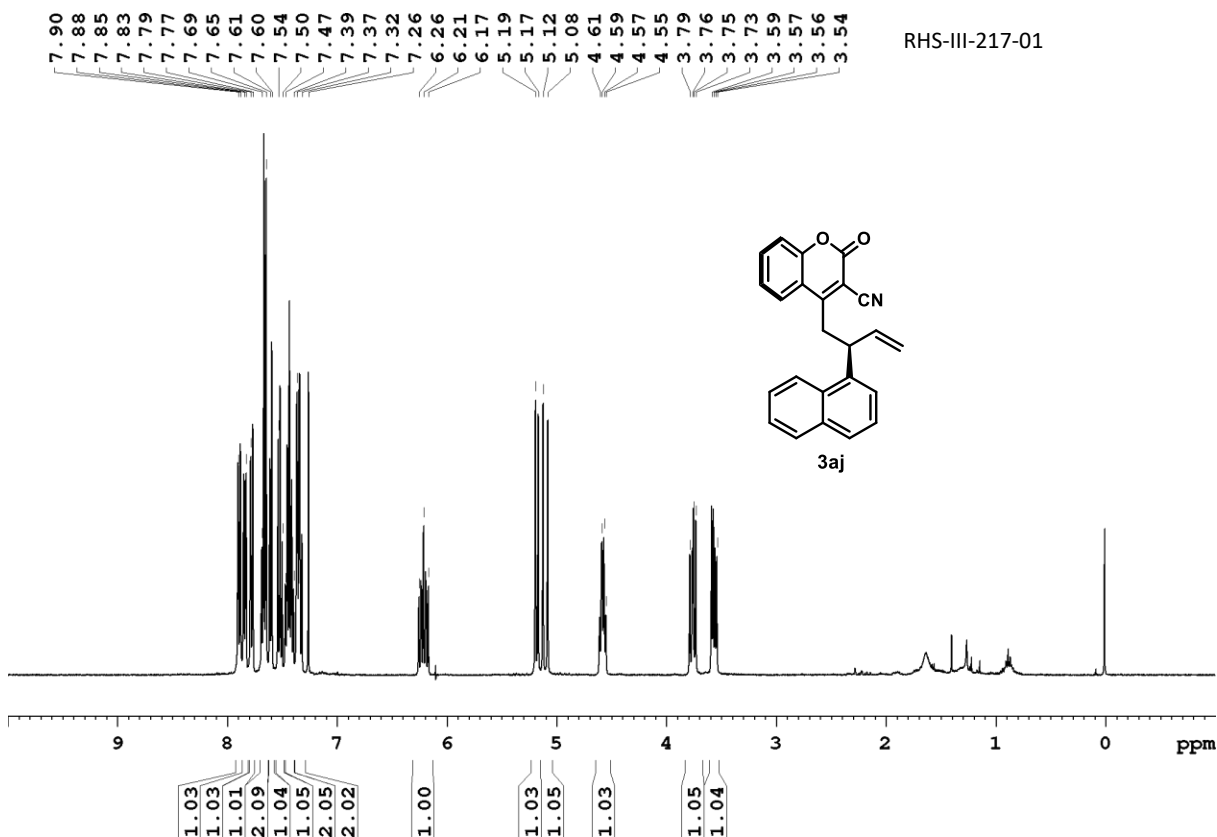
Daicel Chiralpak AS-H column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

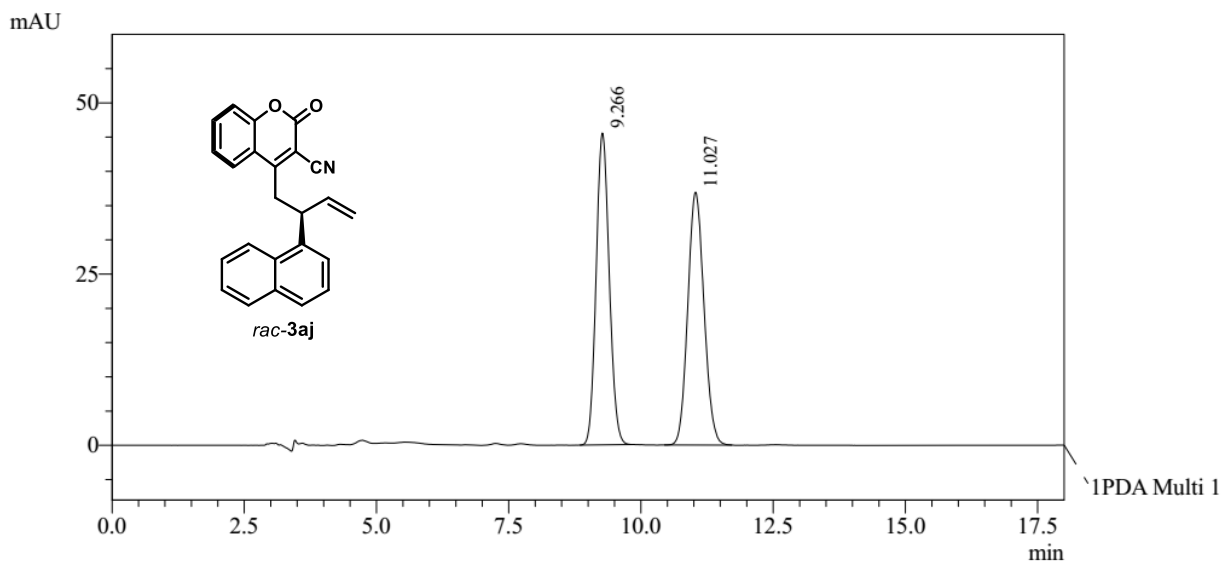


PeakTable

PDA Ch1 304nm 4nm

Peak#	Ret. Time	Area	Area %
1	19.805	34651	2.218
2	21.508	1527270	97.782
Total		1561921	100.000





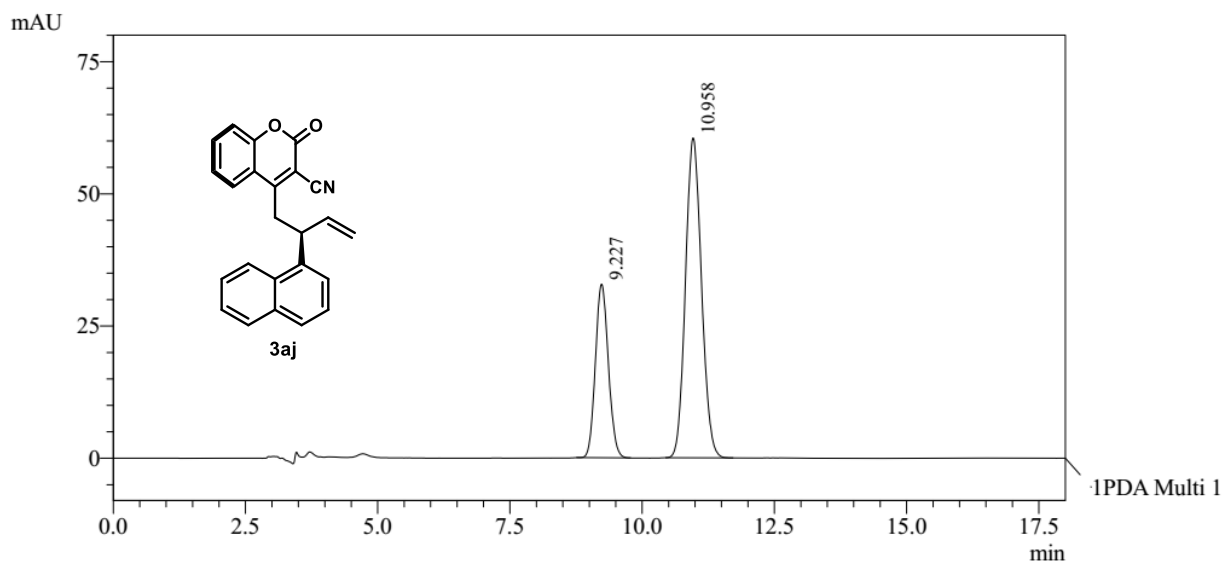
1 PDA Multi 1 / 280nm 4nm

PeakTable

PDA Ch1 280nm 4nm

Peak#	Ret. Time	Area	Area %
1	9.266	784962	49.927
2	11.027	787254	50.073
Total		1572215	100.000

Daicel Chiralpak AS-H column (75:25 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

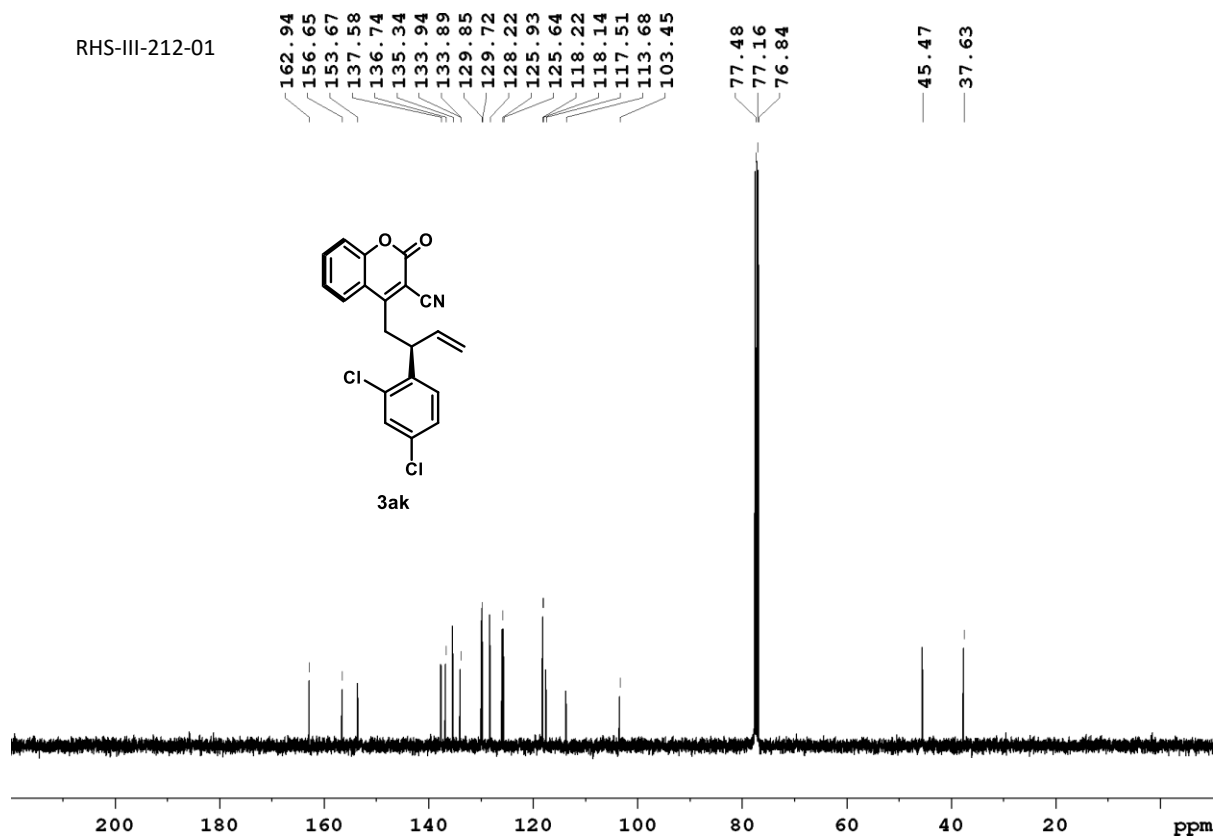
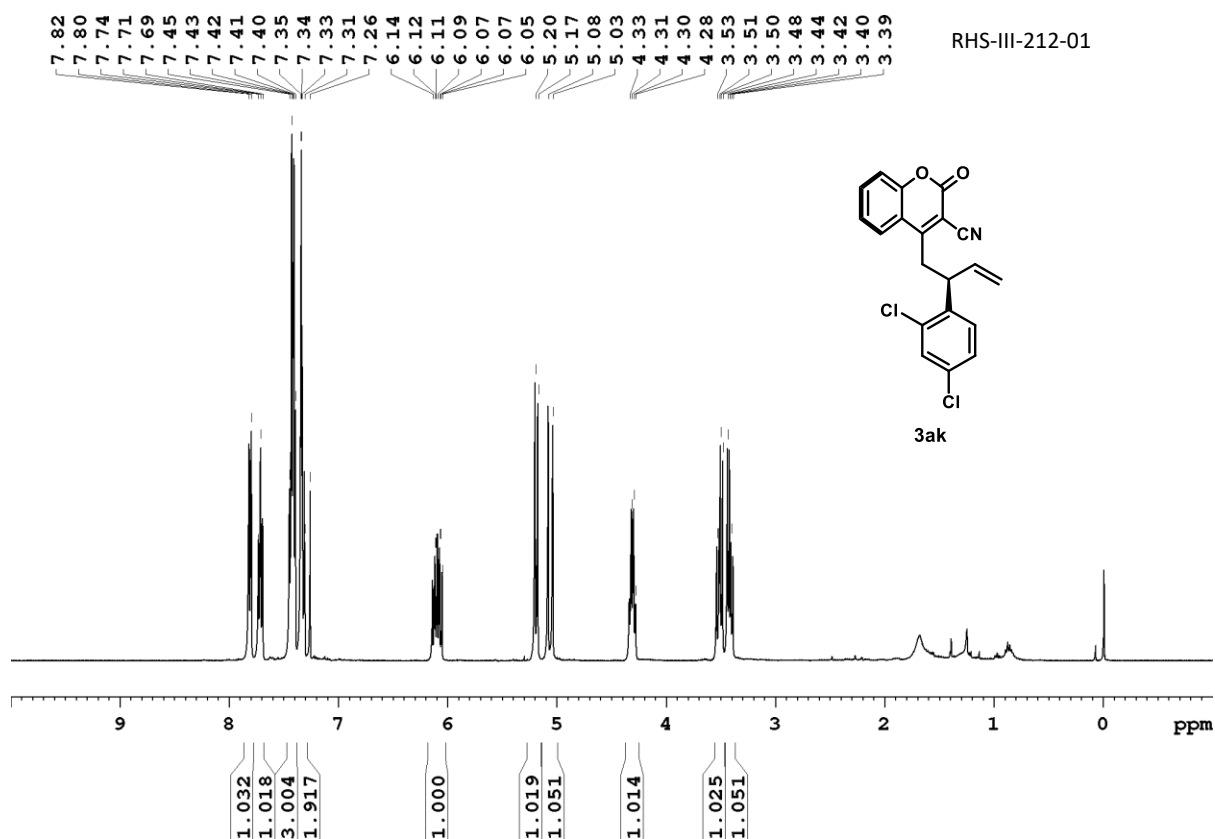


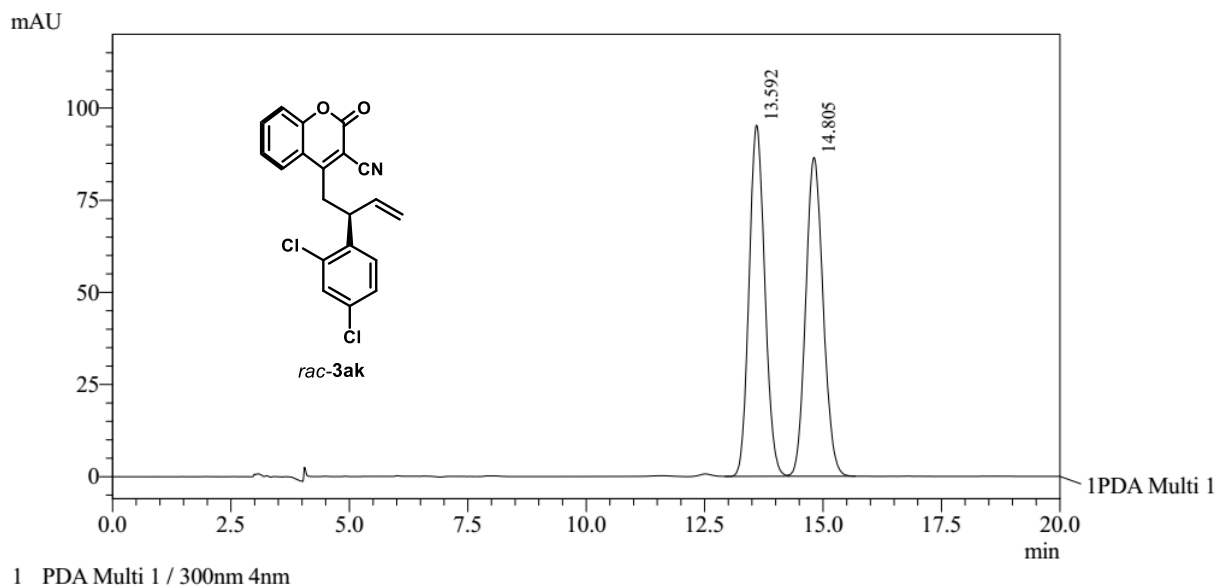
1 PDA Multi 1 / 280nm 4nm

PeakTable

PDA Ch1 280nm 4nm

Peak#	Ret. Time	Area	Area %
1	9.227	560108	30.551
2	10.958	1273231	69.449
Total		1833339	100.000

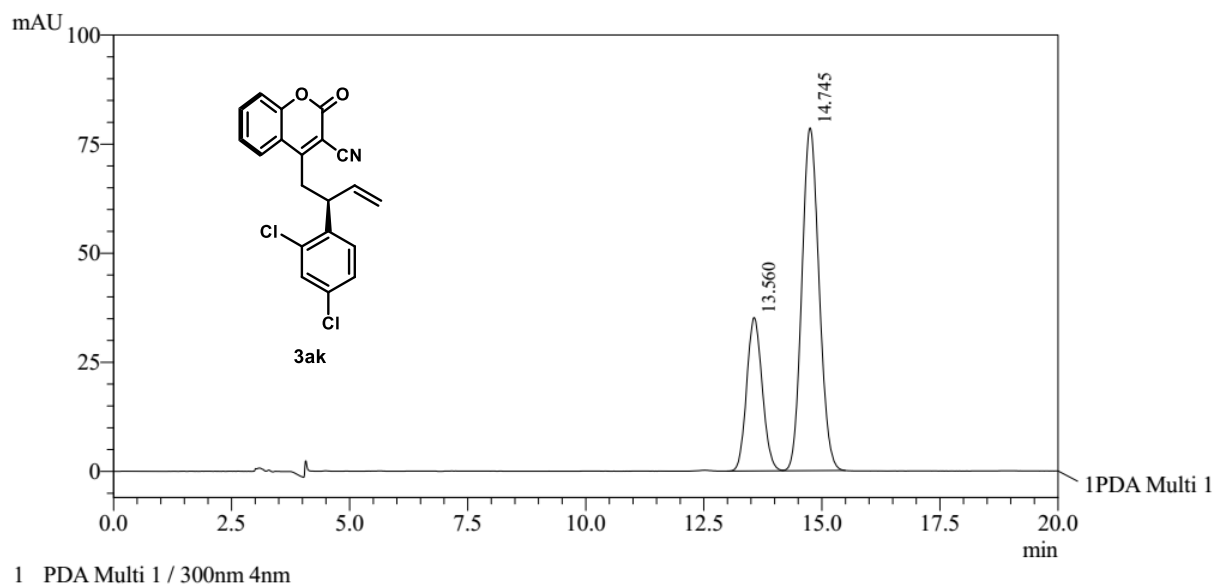




PeakTable

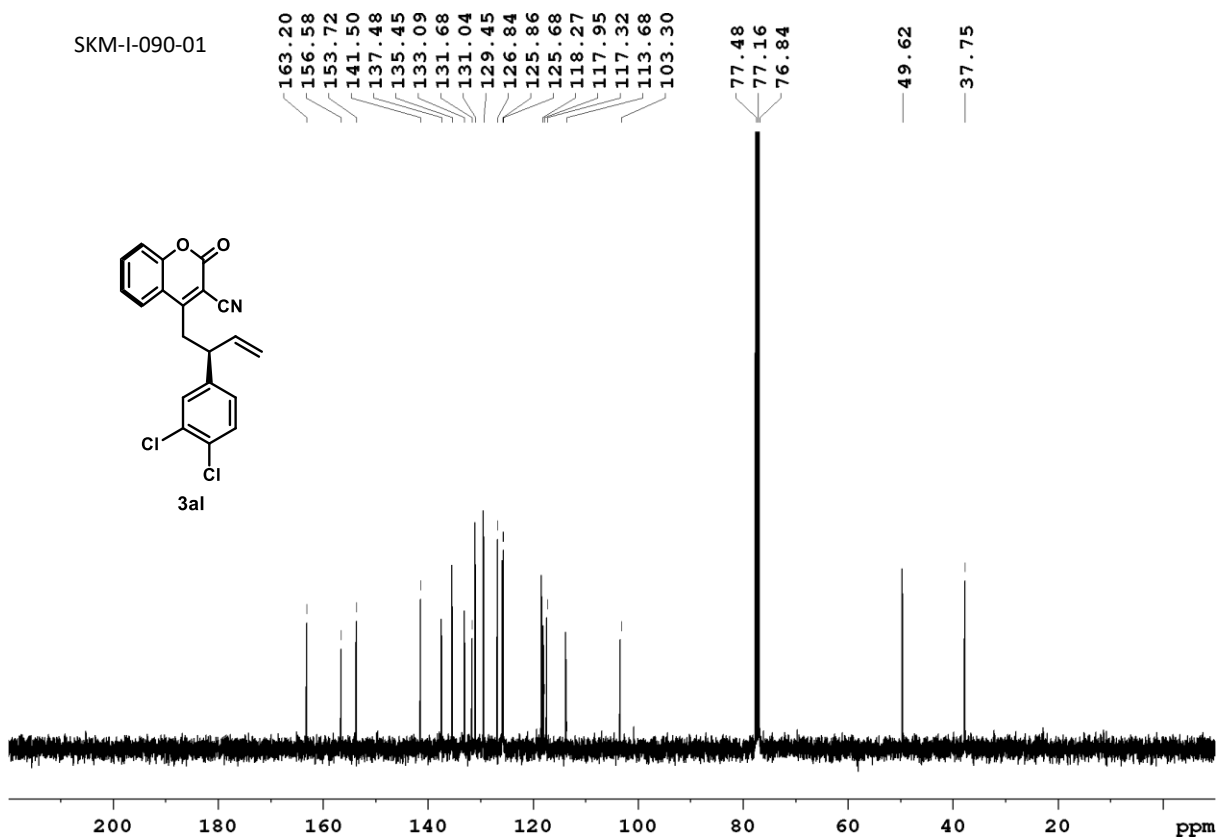
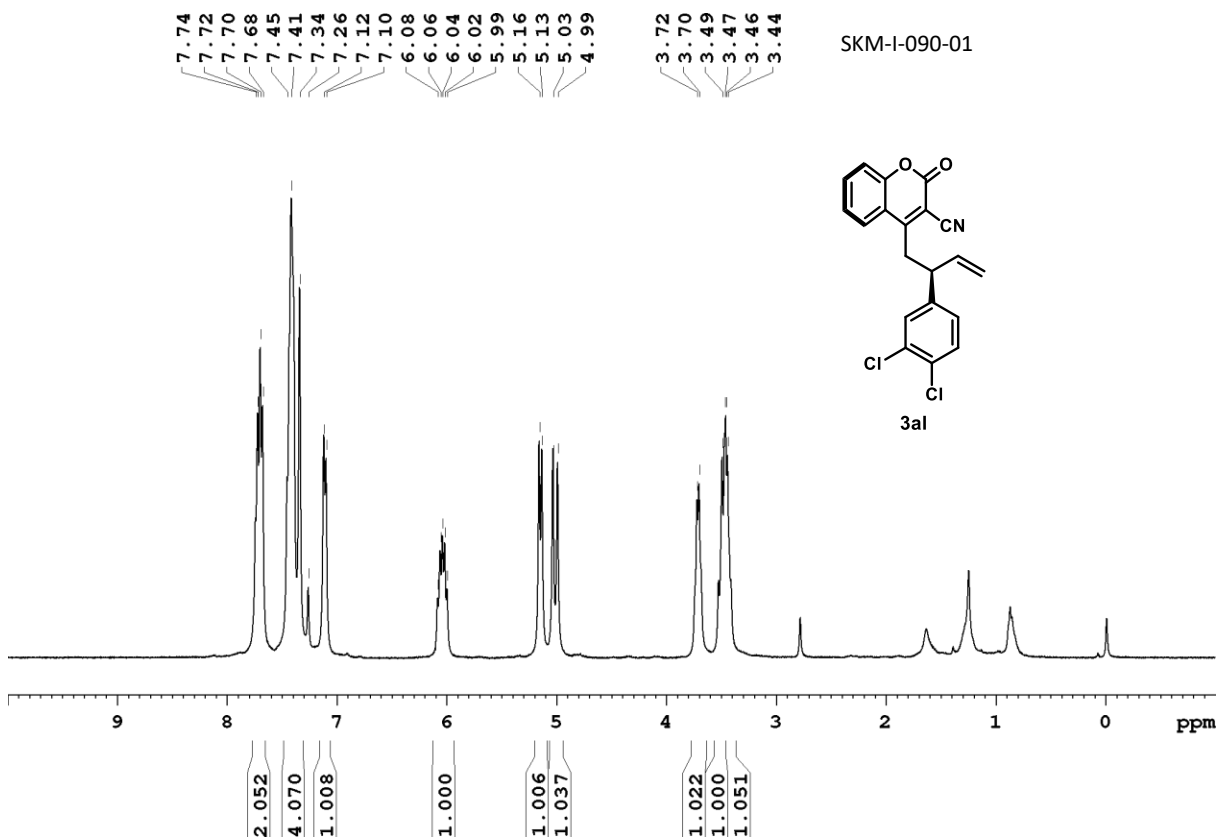
Peak#	Ret. Time	Area	Area %
1	13.592	2210450	49.956
2	14.805	2214324	50.044
Total		4424774	100.000

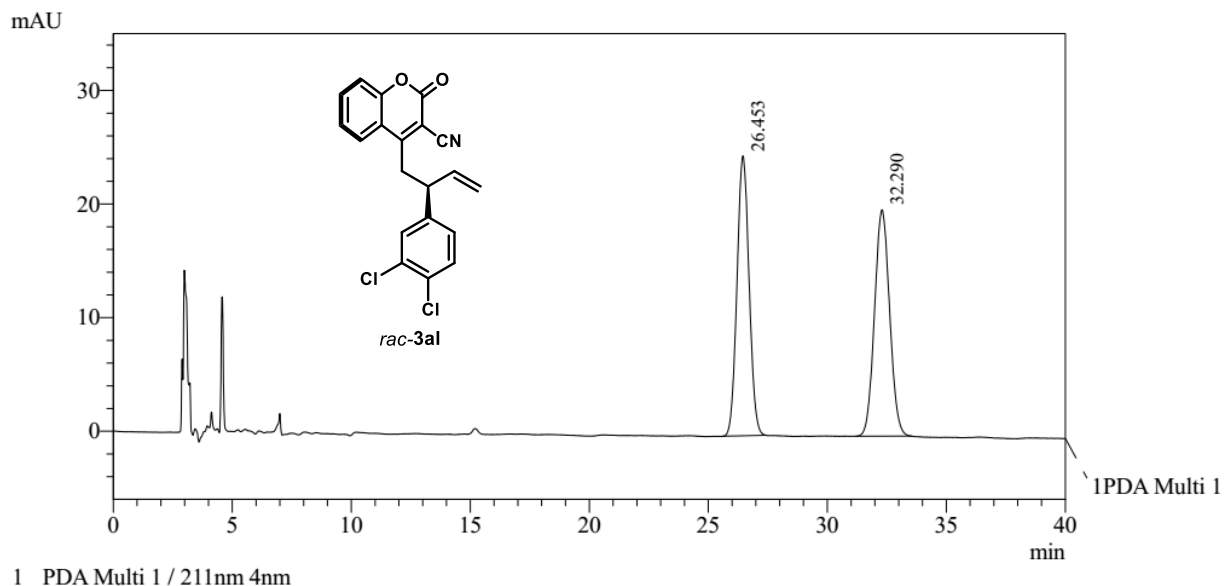
Daicel Chiralpak AS-H column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)



PeakTable

Peak#	Ret. Time	Area	Area %
1	13.560	808123	28.873
2	14.745	1990755	71.127
Total		2798878	100.000



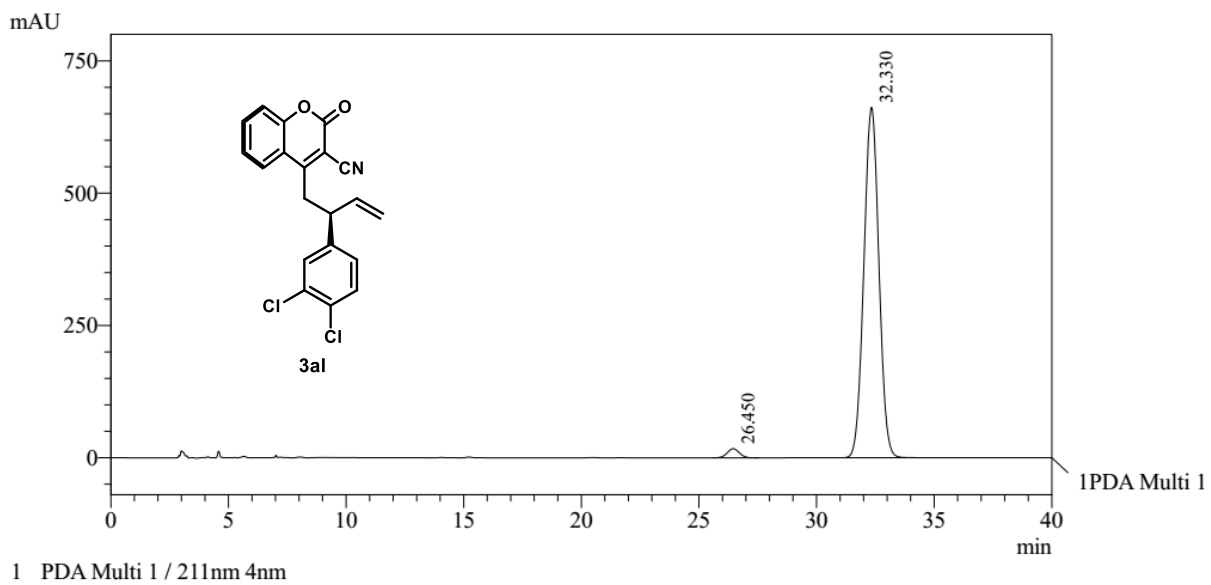


PeakTable

PDA Ch1 211nm 4nm

Peak#	Ret. Time	Area	Area %
1	26.453	870575	49.771
2	32.290	878582	50.229
Total		1749157	100.000

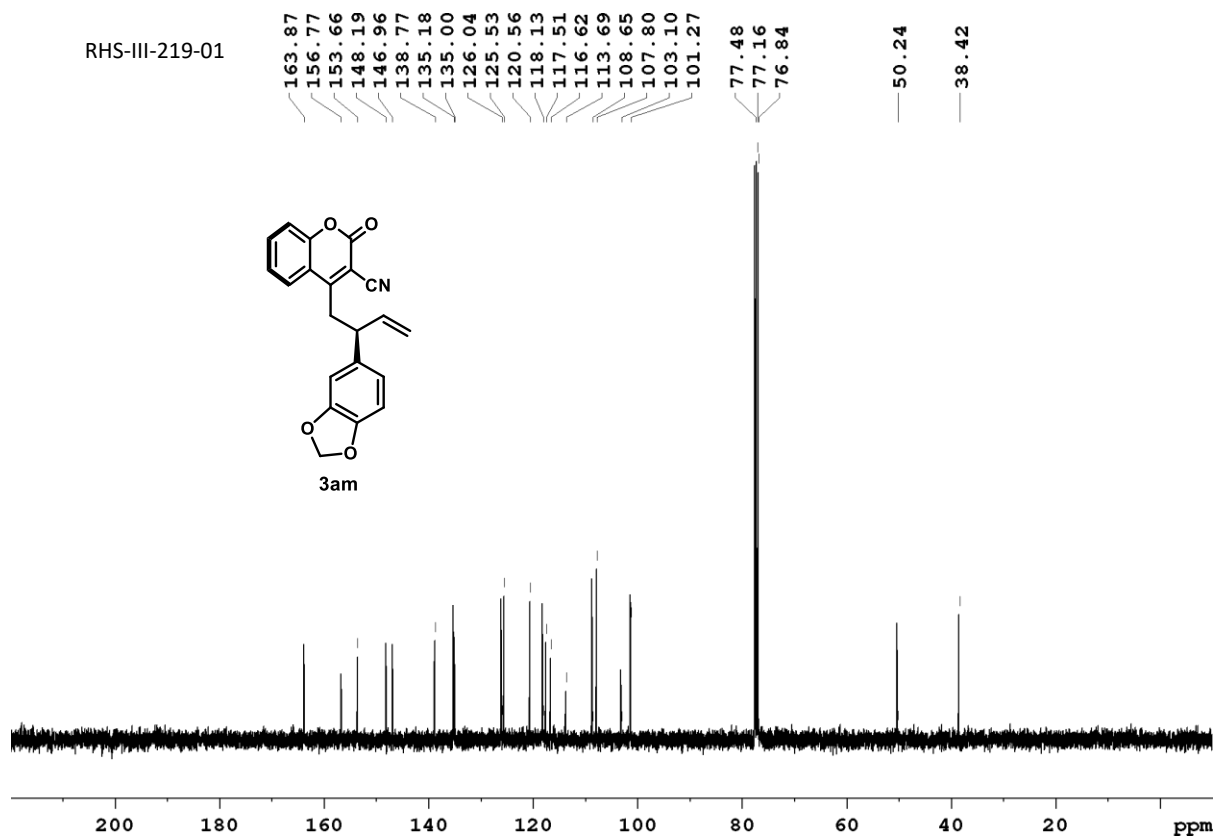
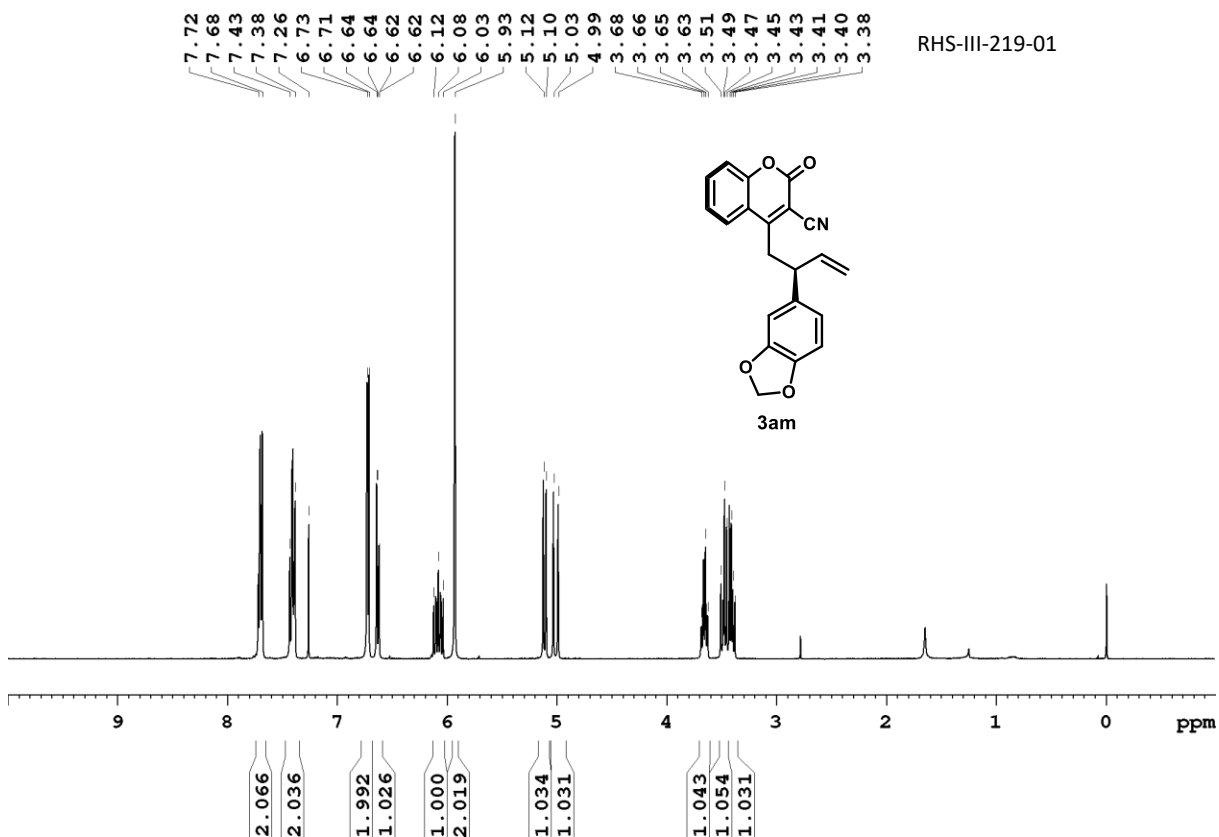
Daicel Chiralpak IG column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

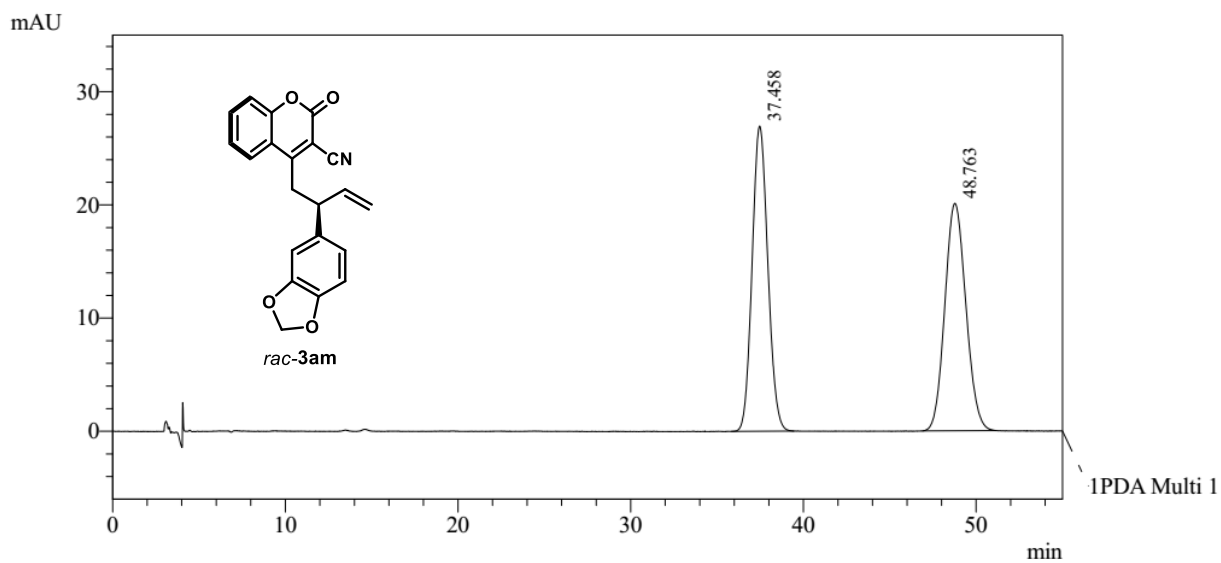


PeakTable

PDA Ch1 211nm 4nm

Peak#	Ret. Time	Area	Area %
1	26.450	614220	2.046
2	32.330	29412539	97.954
Total		30026759	100.000





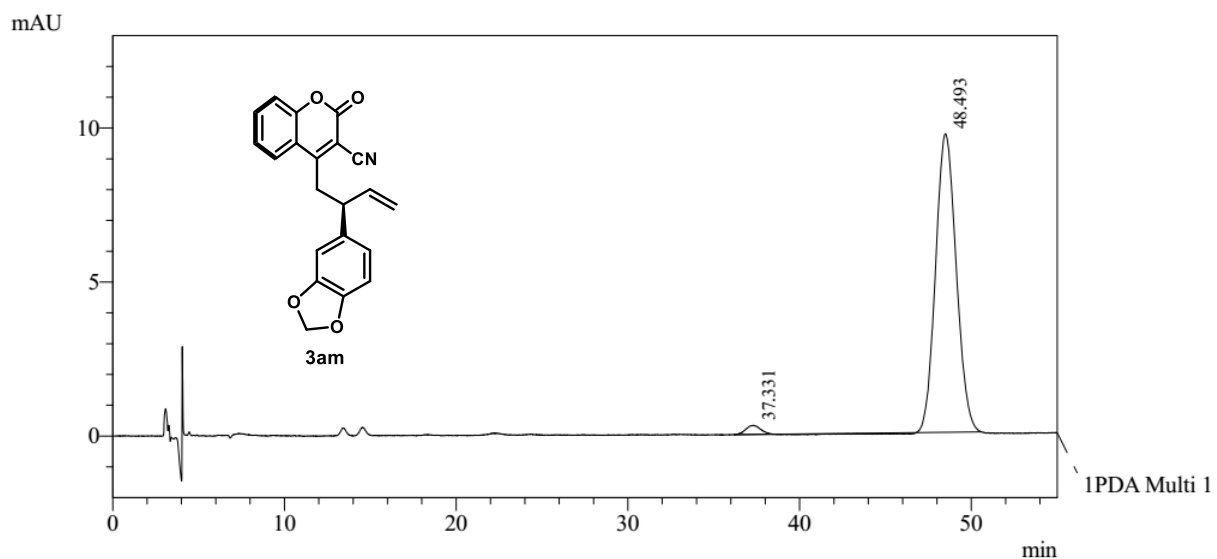
1 PDA Multi 1 / 286nm 4nm

PeakTable

PDA Ch1 286nm 4nm

Peak#	Ret. Time	Area	Area %
1	37.458	1705170	50.059
2	48.763	1701150	49.941
Total		3406321	100.000

Daicel Chiralpak AS-H column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

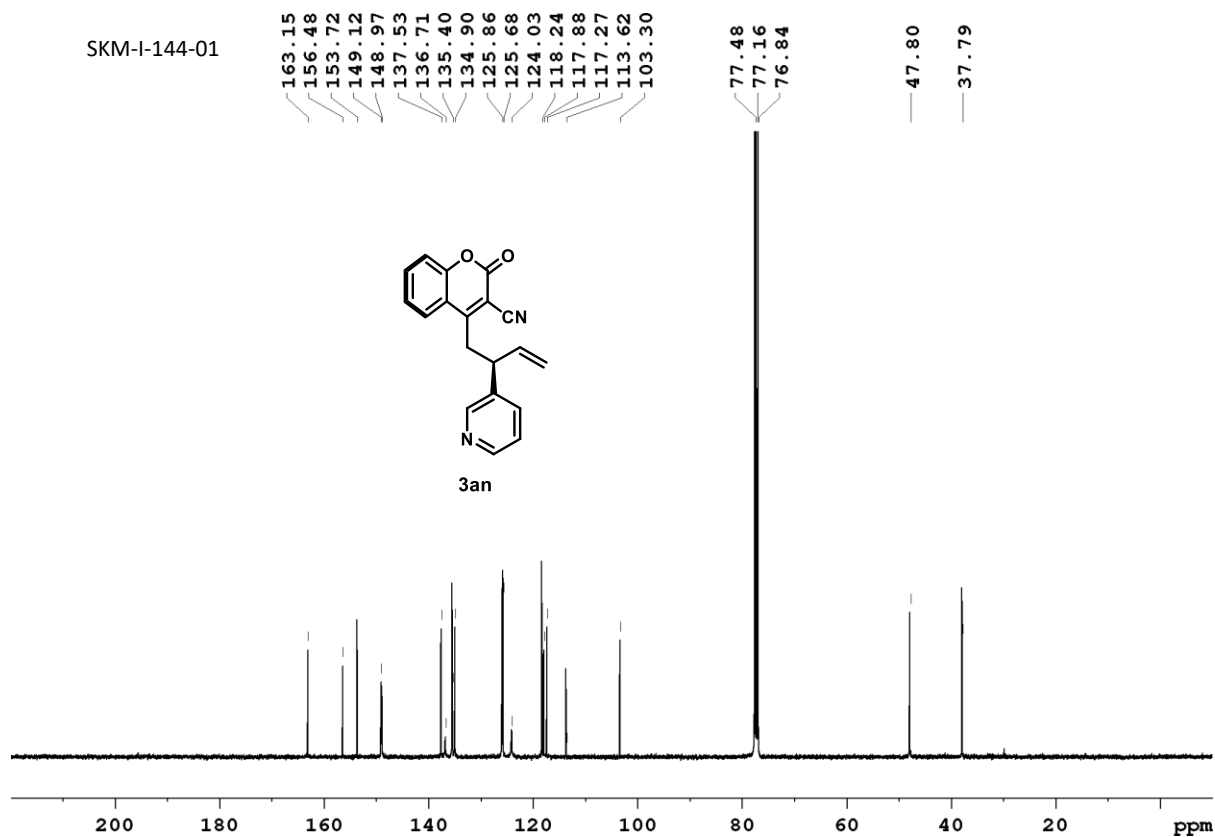
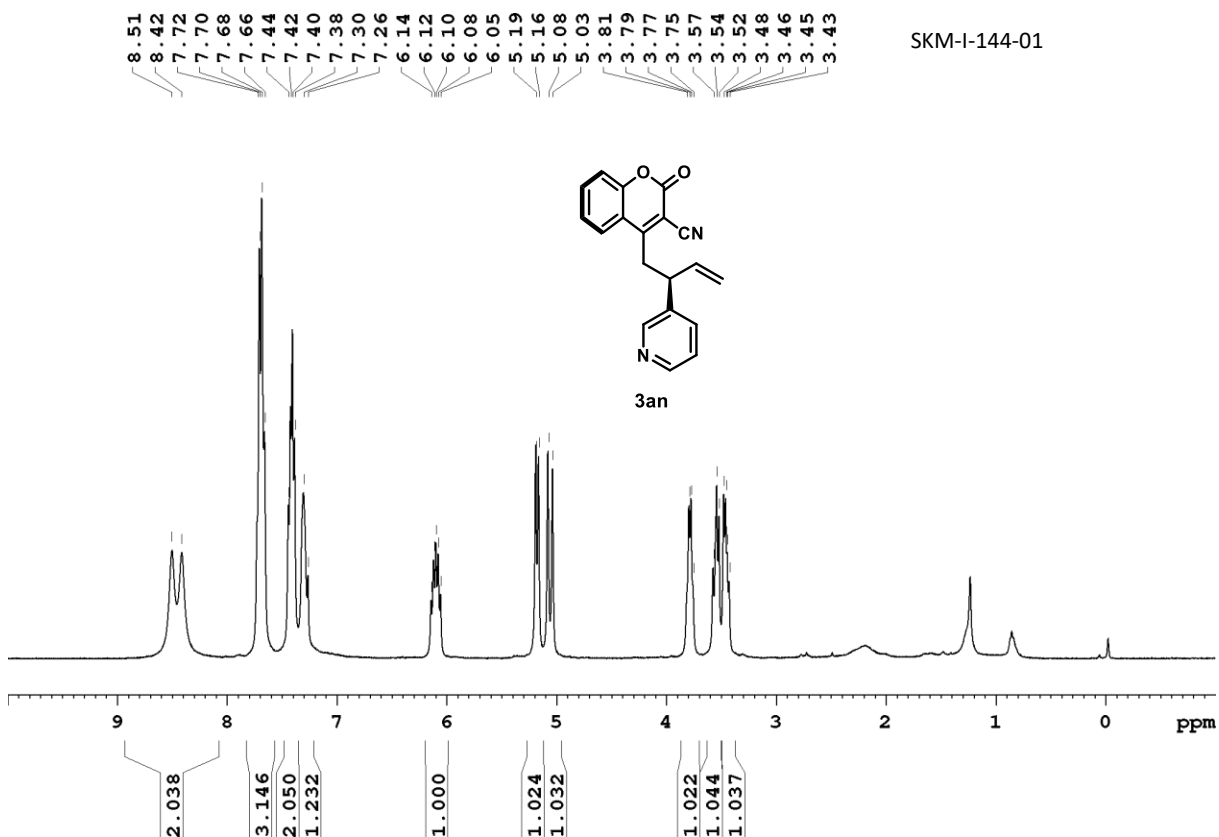


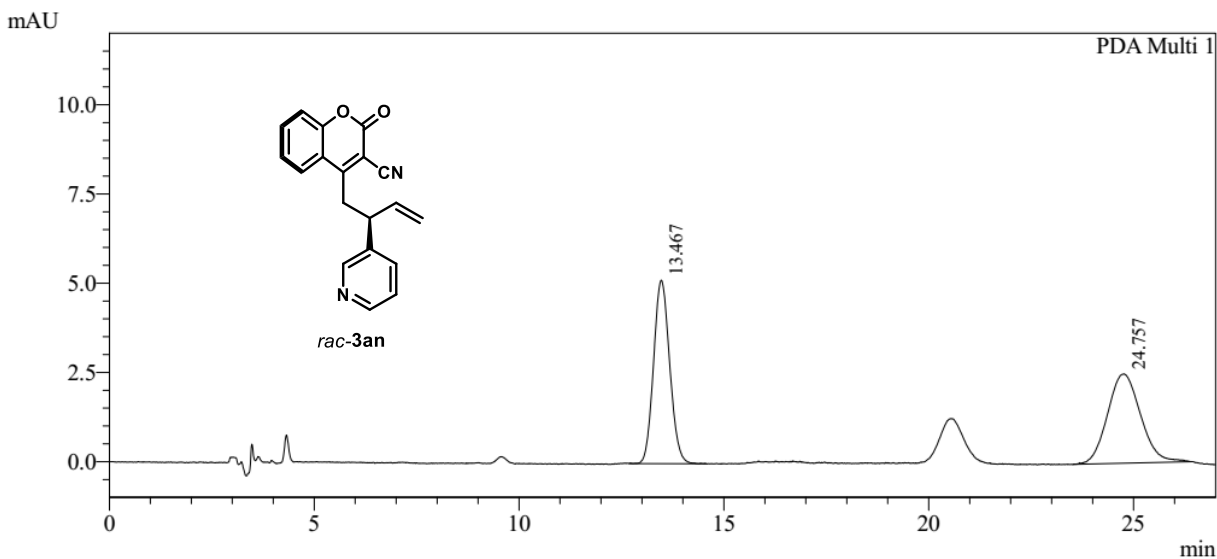
1 PDA Multi 1 / 286nm 4nm

PeakTable

PDA Ch1 286nm 4nm

Peak#	Ret. Time	Area	Area %
1	37.331	17723	2.172
2	48.493	798269	97.828
Total		815992	100.000



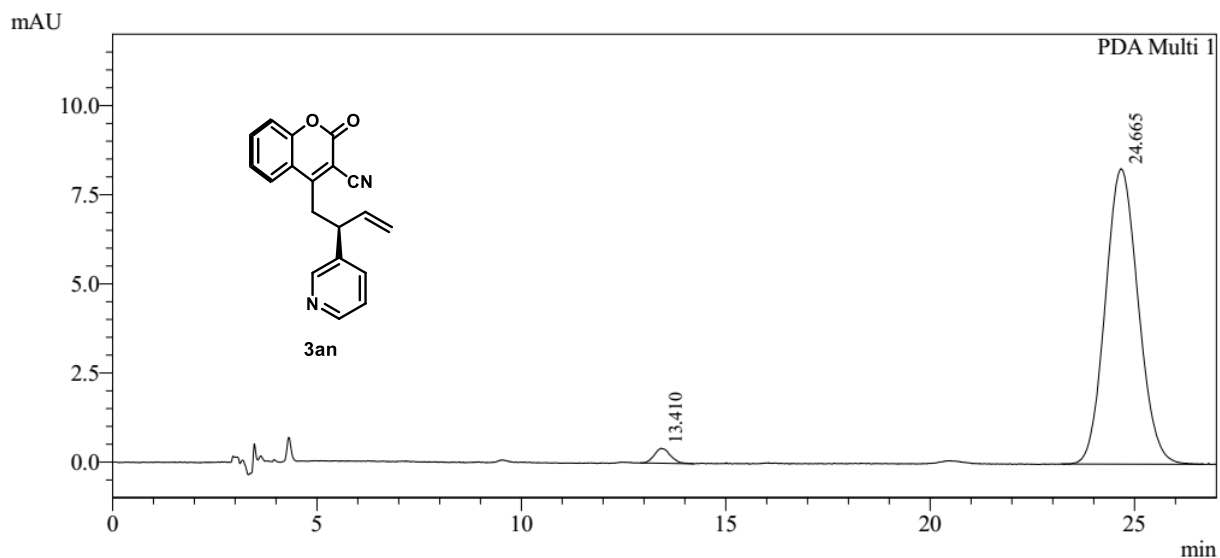


PeakTable

PDA Ch1 333nm 4nm

Peak#	Ret. Time	Area	Area %
1	13.467	140615	50.094
2	24.757	140087	49.906
Total		280702	100.000

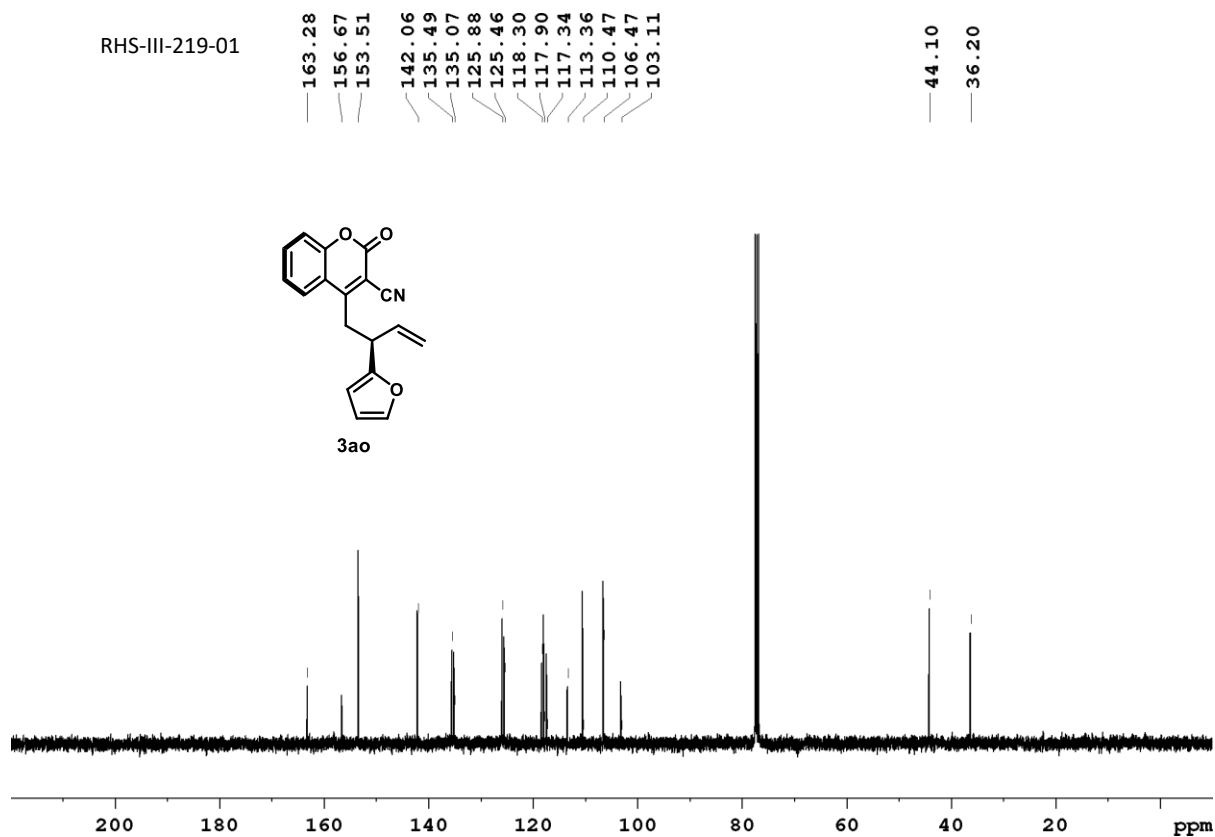
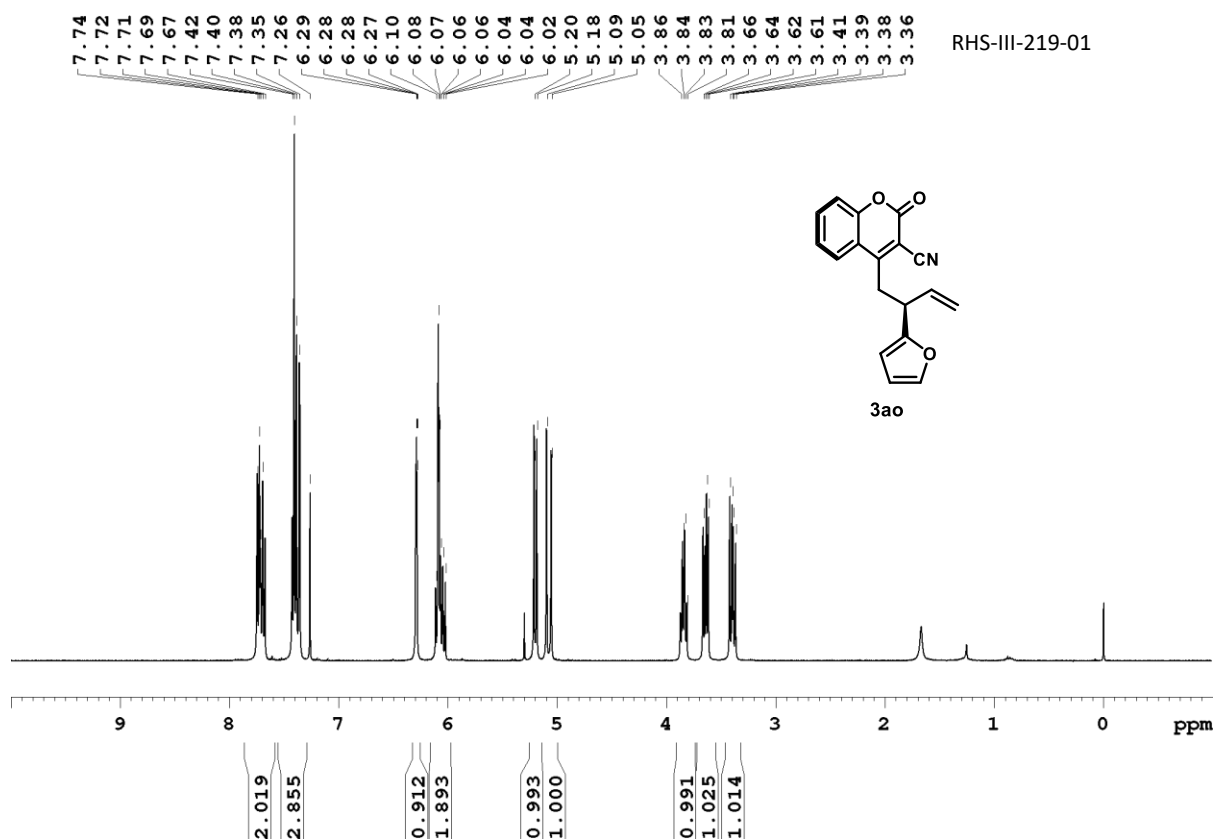
Daicel Chiralpak AS-H column (75:25 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

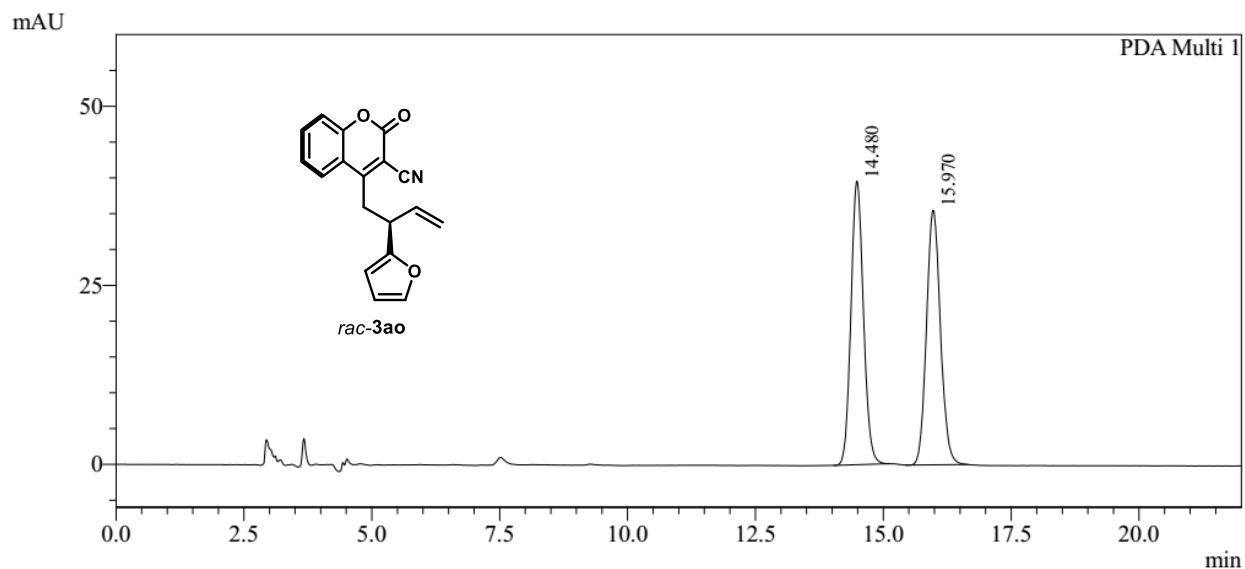


PeakTable

PDA Ch1 333nm 4nm

Peak#	Ret. Time	Area	Area %
1	13.410	11462	2.415
2	24.665	463148	97.585
Total		474610	100.000



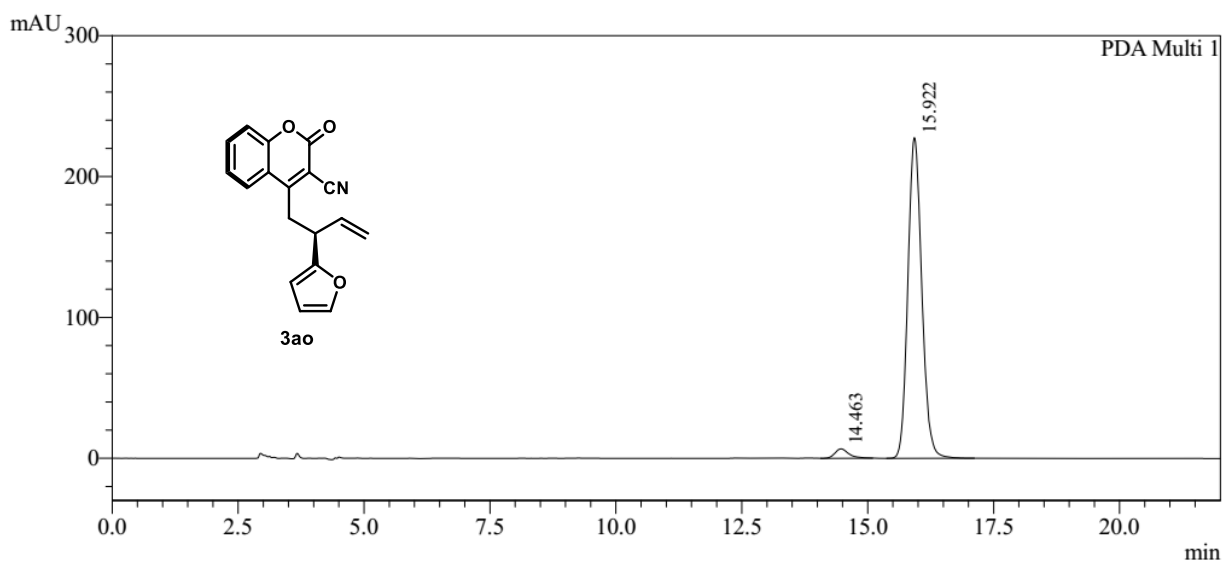


PeakTable

PDA Ch1 227nm 4nm

Peak#	Ret. Time	Area	Area %
1	14.480	672707	49.993
2	15.970	672891	50.007
Total		1345599	100.000

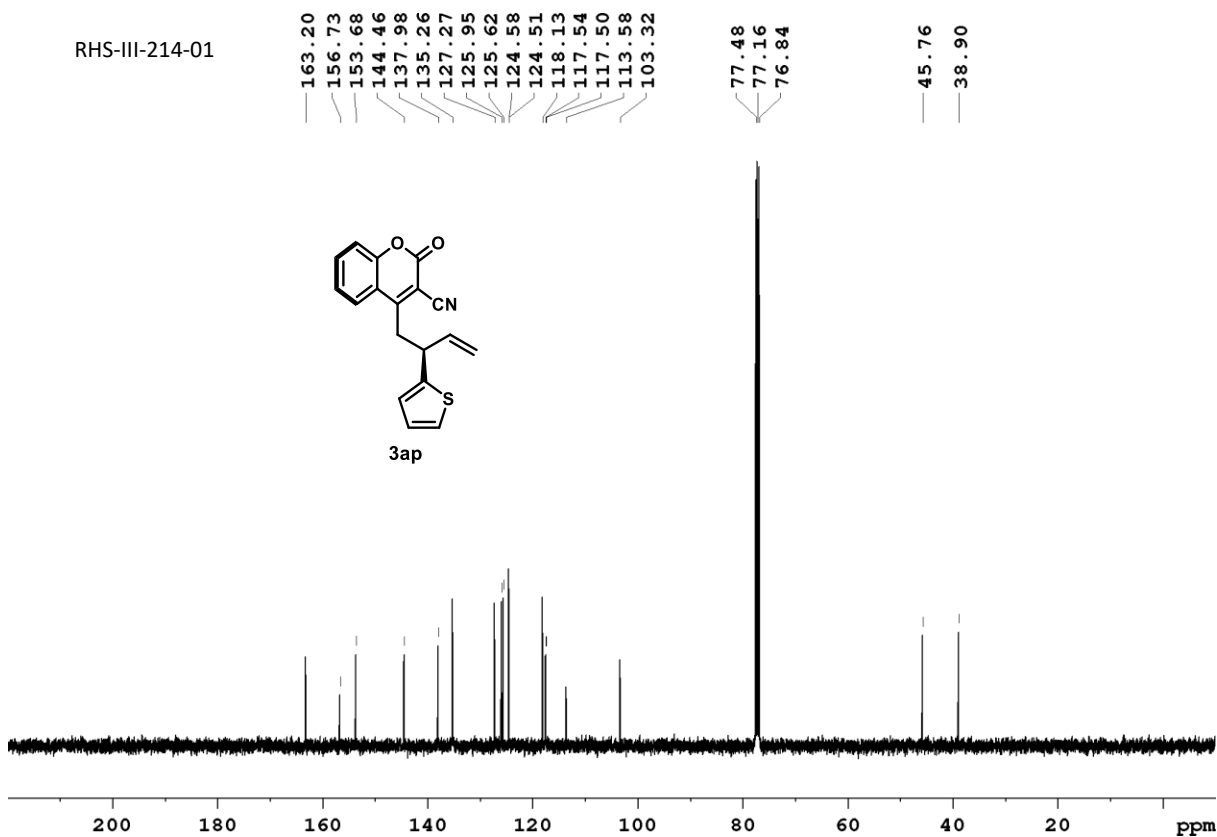
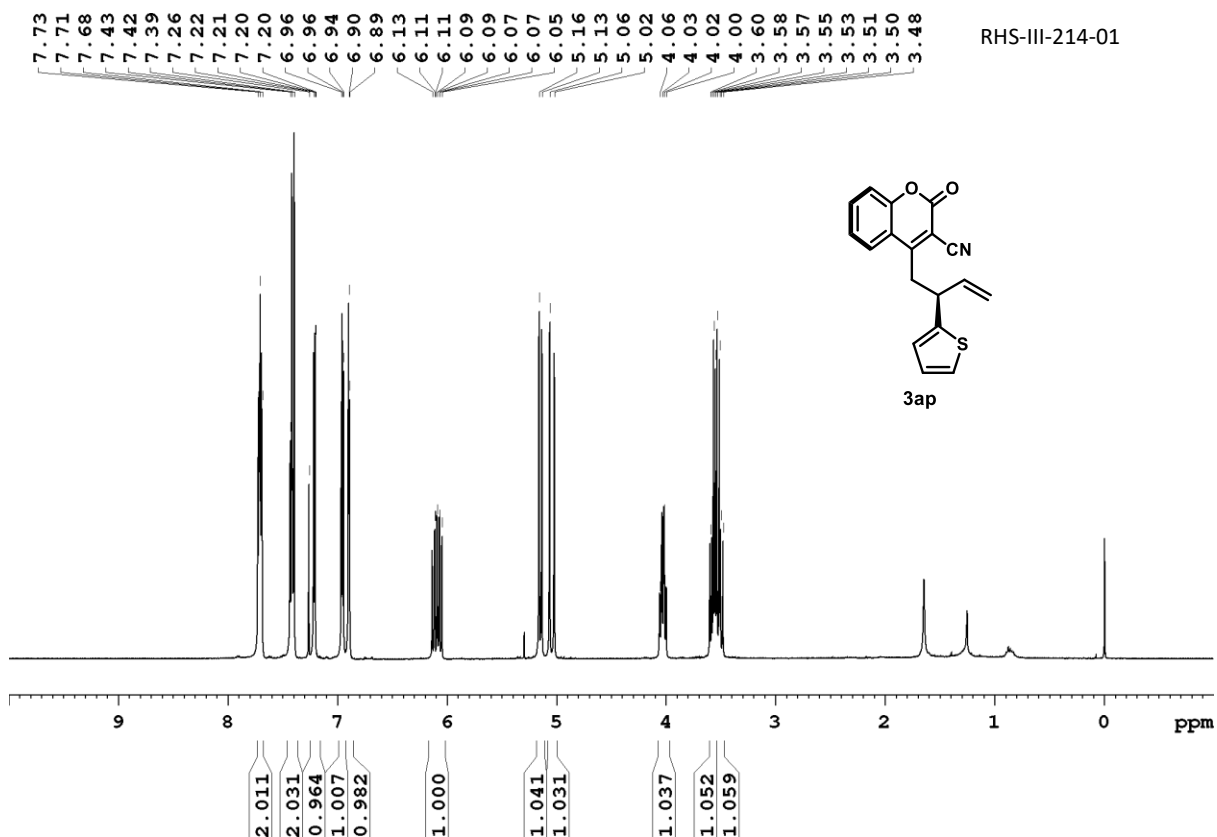
Daicel Chiralpak IA column (90:10 *n*-Hexane/*i*-PrOH, 1.0 mL/min, 20 °C)

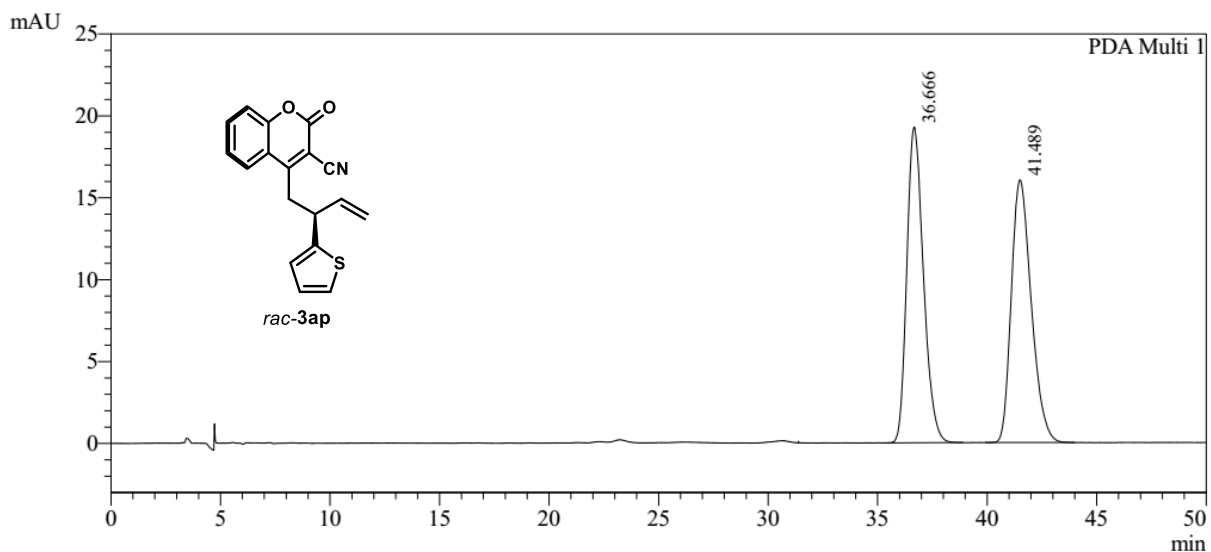


PeakTable

PDA Ch1 227nm 4nm

Peak#	Ret. Time	Area	Area %
1	14.463	128568	2.853
2	15.922	4378364	97.147
Total		4506932	100.000



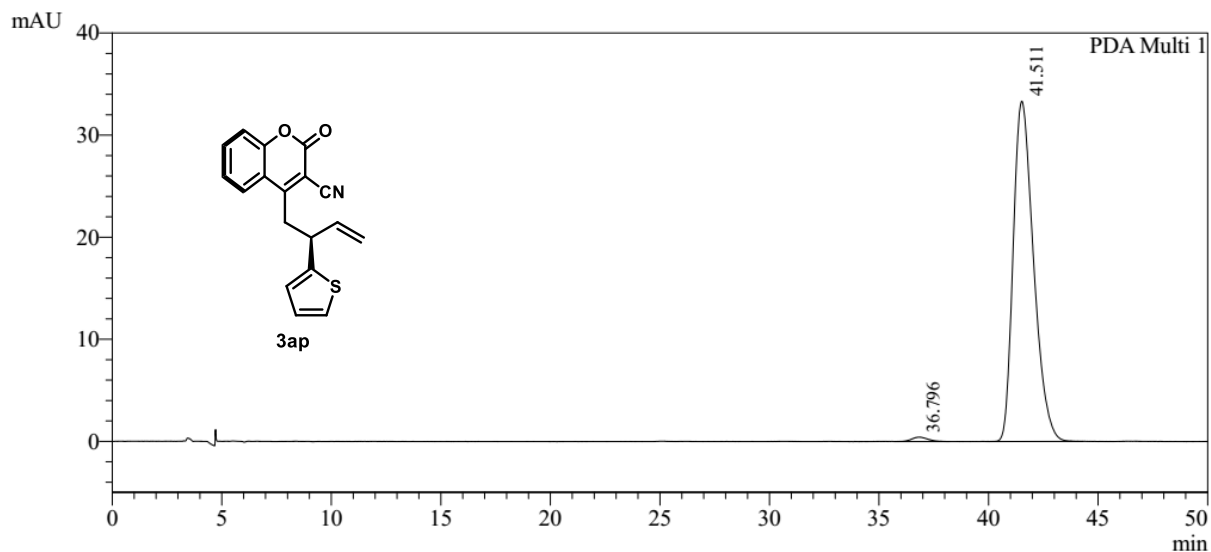


PeakTable

PDA Ch1 322nm 4nm

Peak#	Ret. Time	Area	Area %
1	36.666	1016724	50.061
2	41.489	1014256	49.939
Total		2030980	100.000

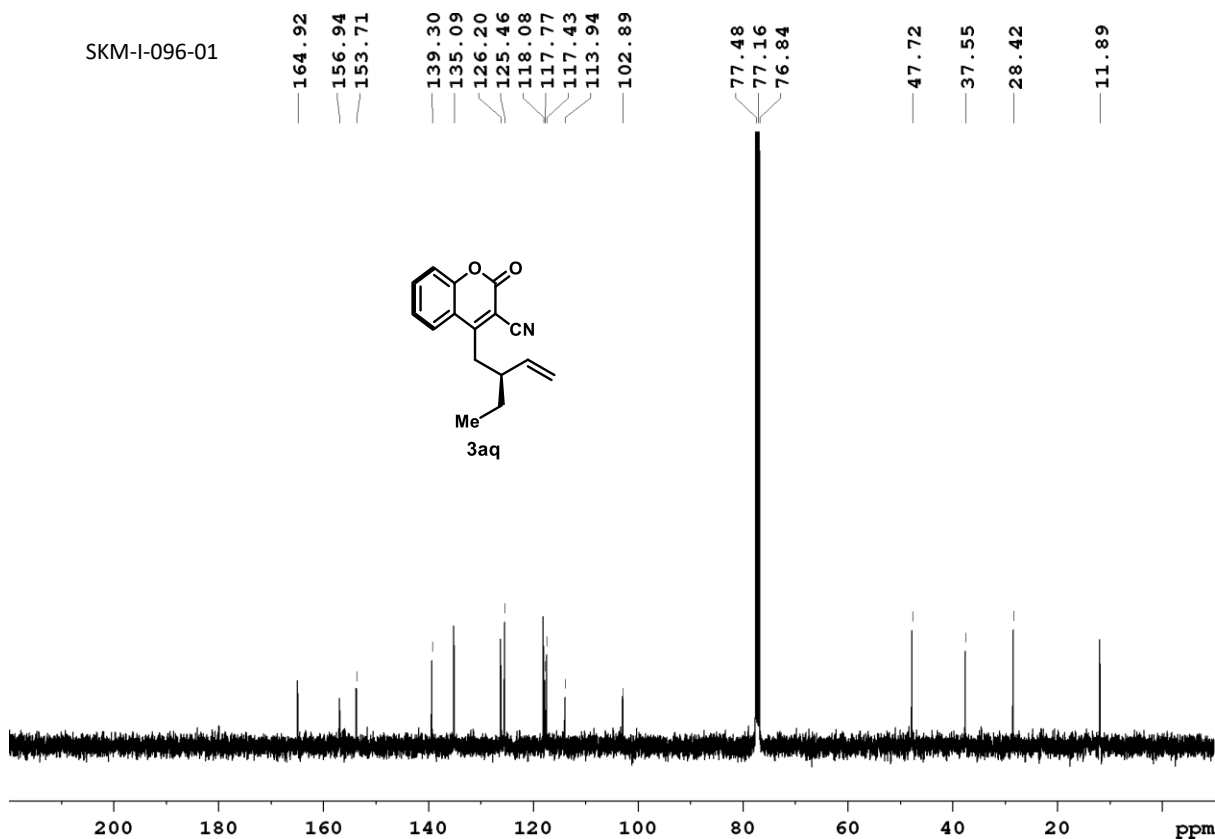
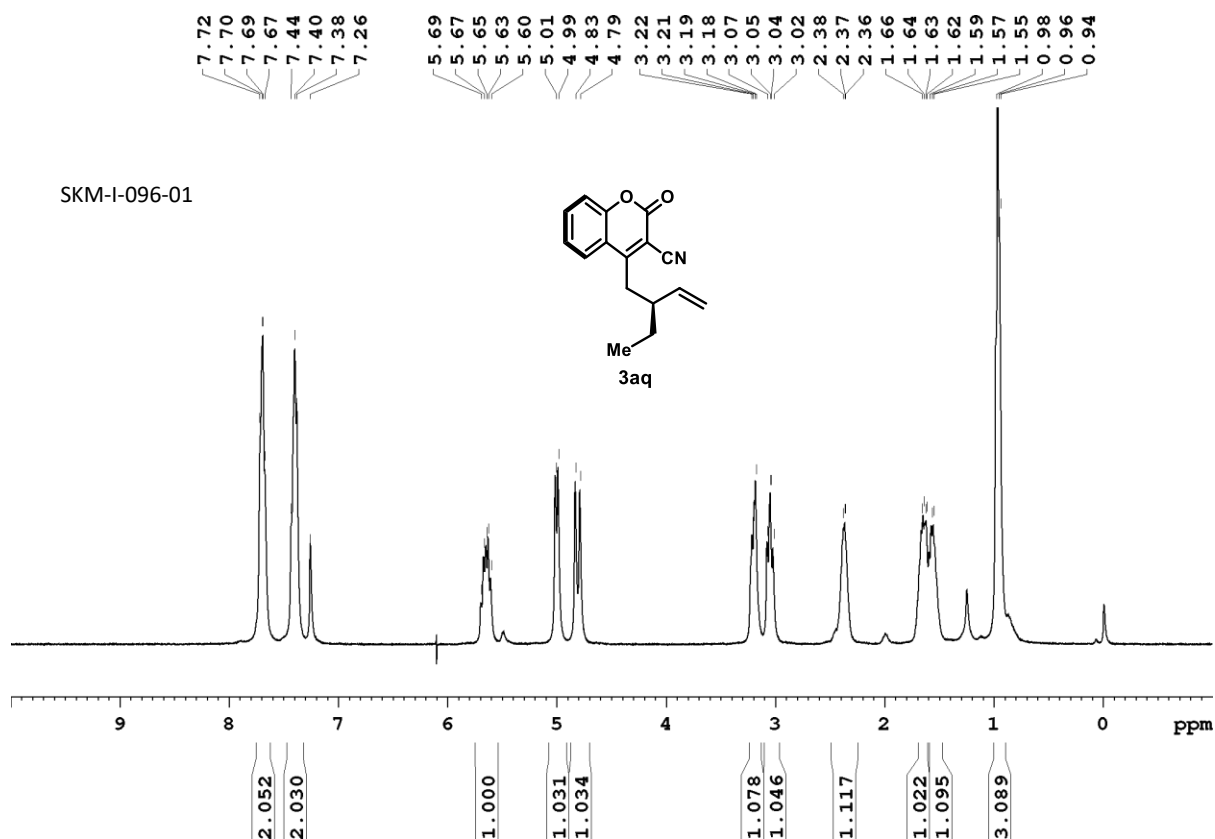
Daicel Chiralpak IE column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

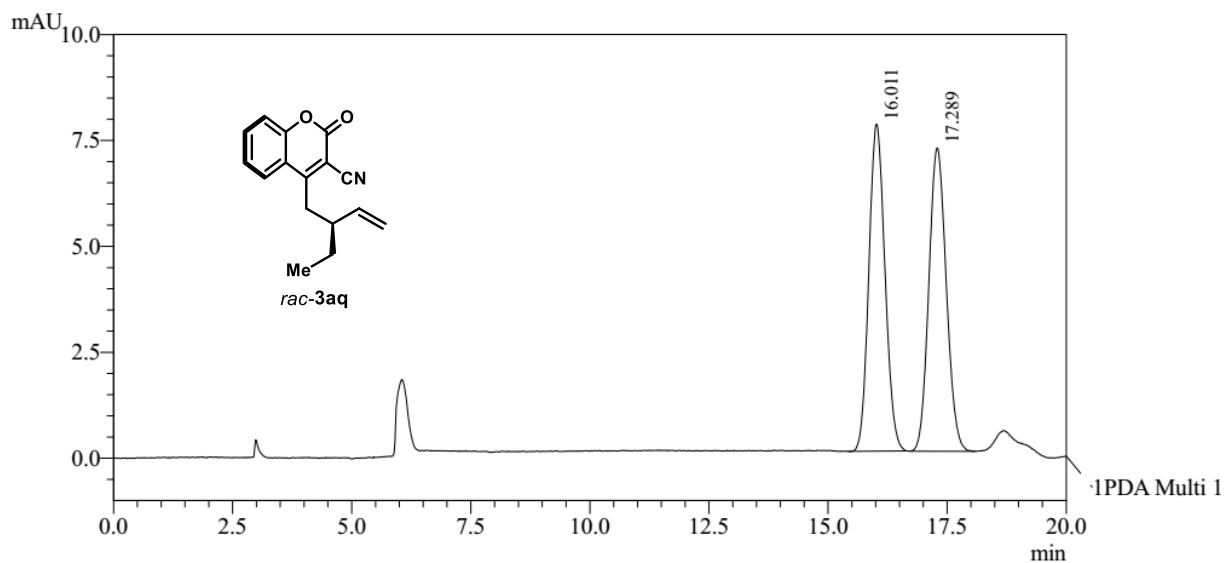


PeakTable

PDA Ch1 322nm 4nm

Peak#	Ret. Time	Area	Area %
1	36.796	21897	1.008
2	41.511	2150312	98.992
Total		2172210	100.000





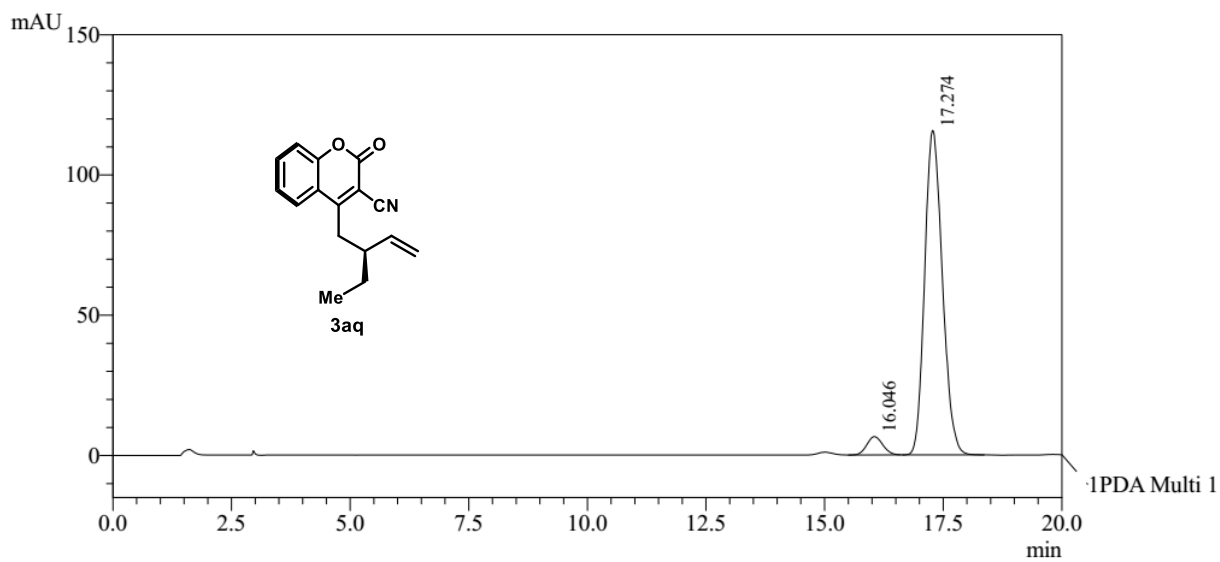
1 PDA Multi 1 / 328nm 4nm

PeakTable

PDA Ch1 328nm 4nm

Peak#	Ret. Time	Area	Area %
1	16.011	182003	49.930
2	17.289	182514	50.070
Total		364517	100.000

Phenomenex Cellulose-1 column (95:5 *n*-Hexane/*i*-PrOH, 1.0 mL/min, 20 °C)

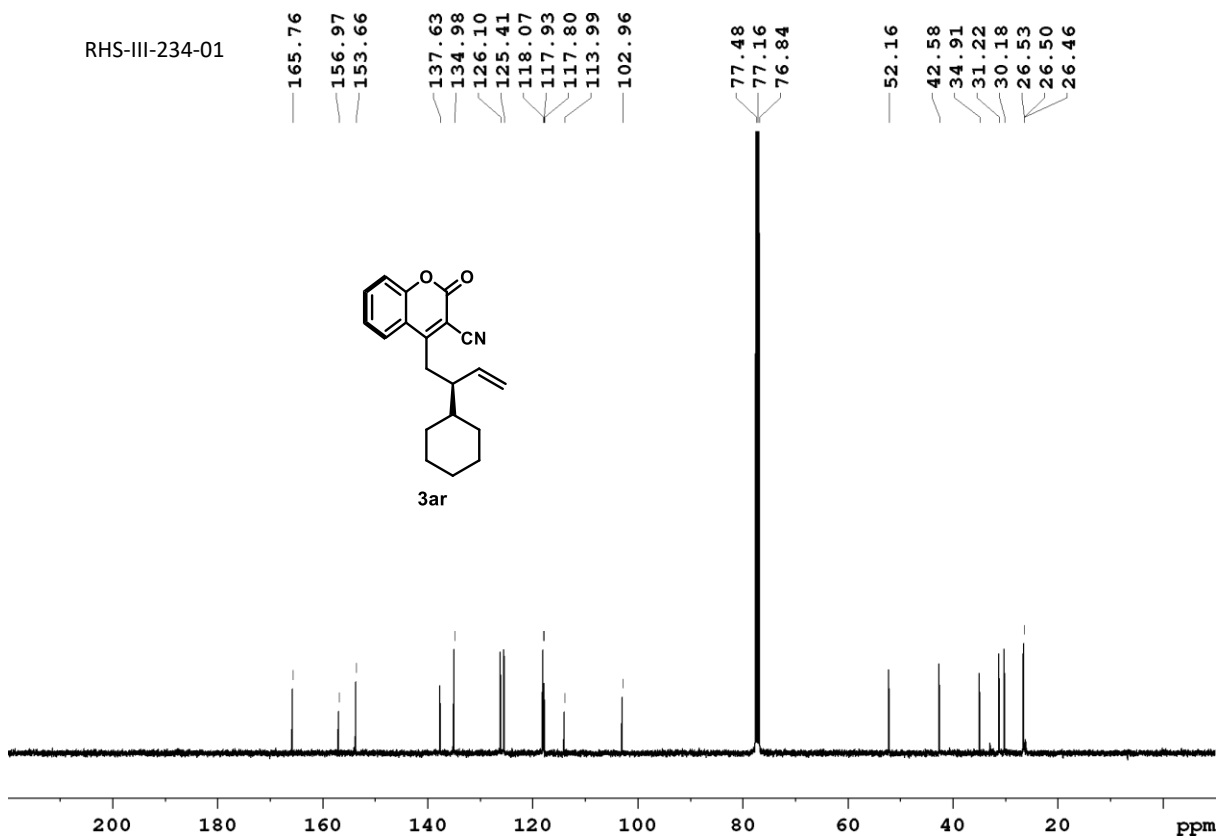
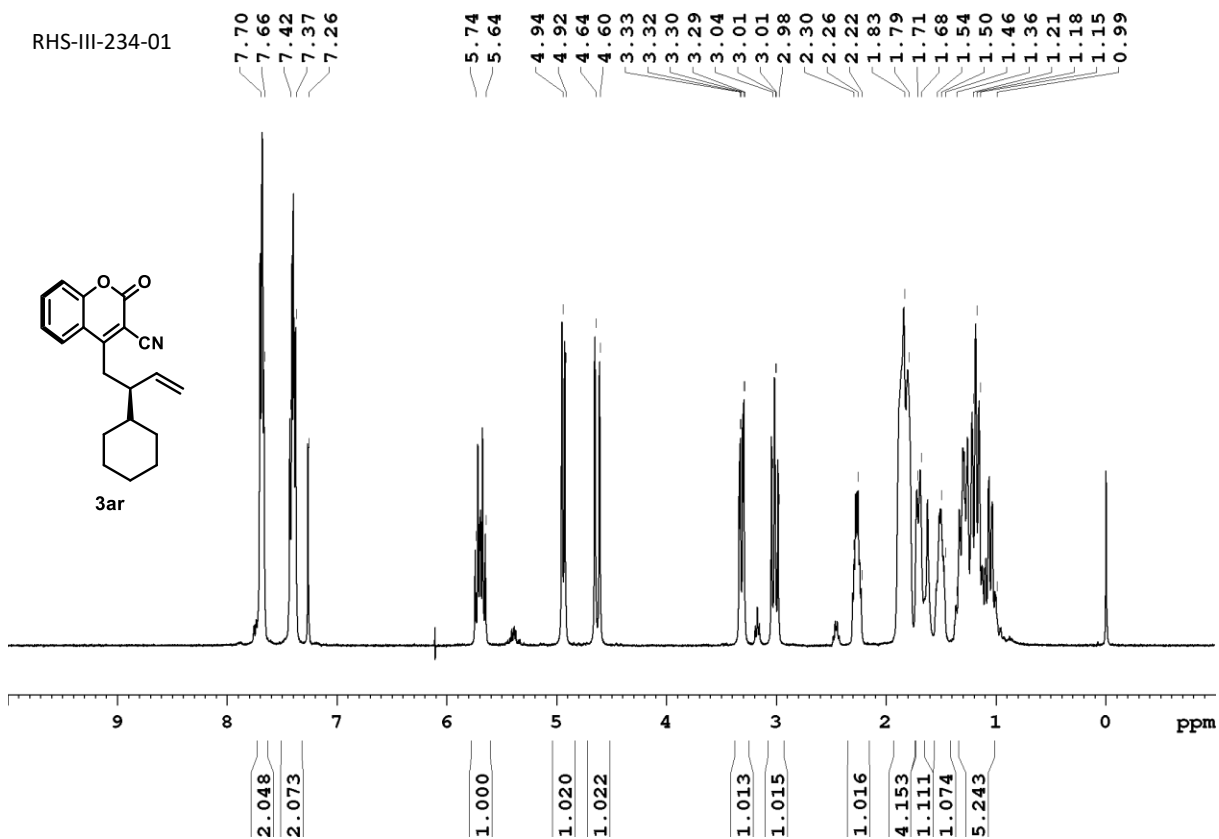


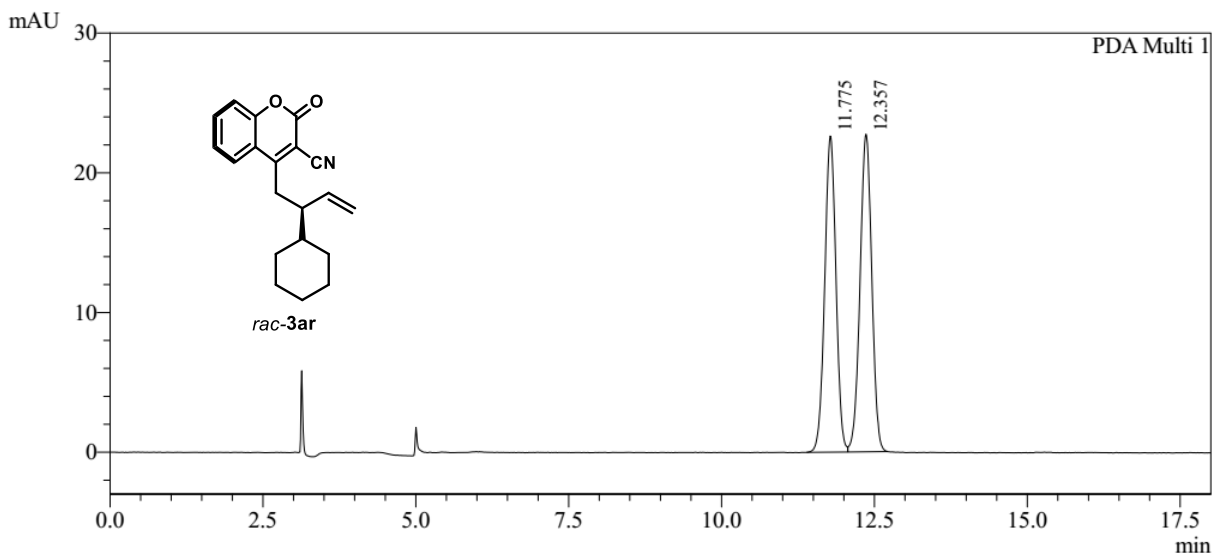
1 PDA Multi 1 / 328nm 4nm

PeakTable

PDA Ch1 328nm 4nm

Peak#	Ret. Time	Area	Area %
1	16.046	151296	4.783
2	17.274	3012101	95.217
Total		3163397	100.000



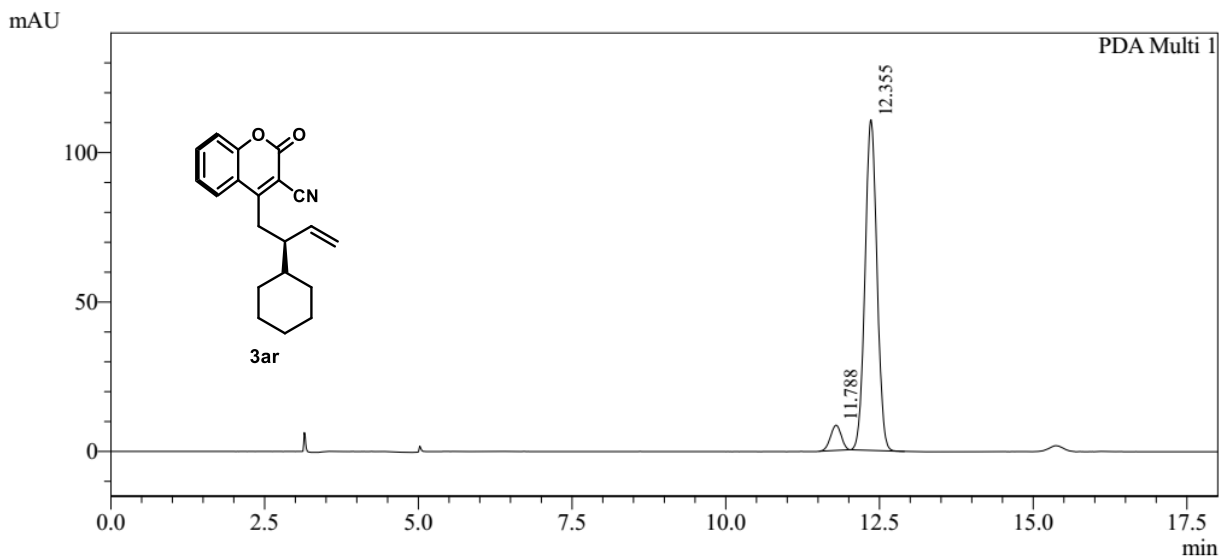


PeakTable

PDA Ch1 341nm 4nm

Peak#	Ret. Time	Area	Area %
1	11.775	290151	48.837
2	12.357	303975	51.163
Total		594127	100.000

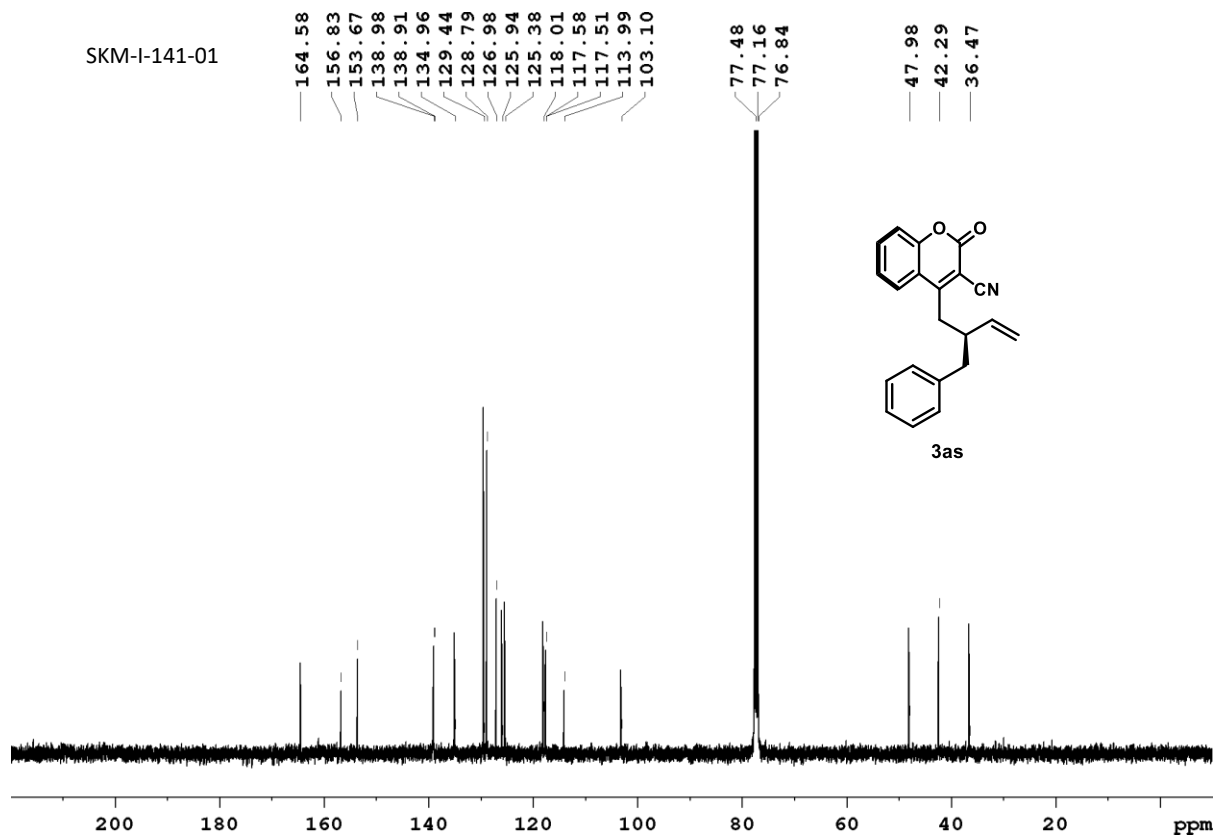
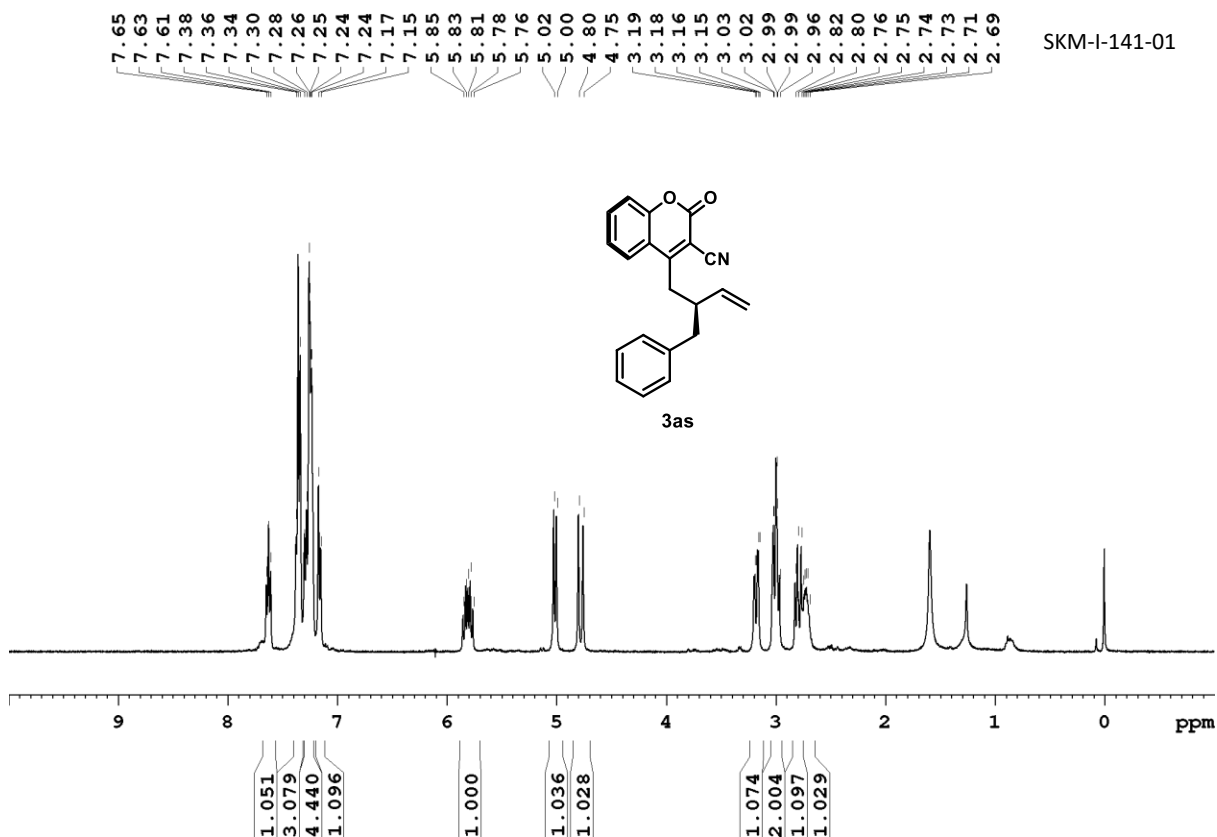
Daicel Chiralpak IB column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

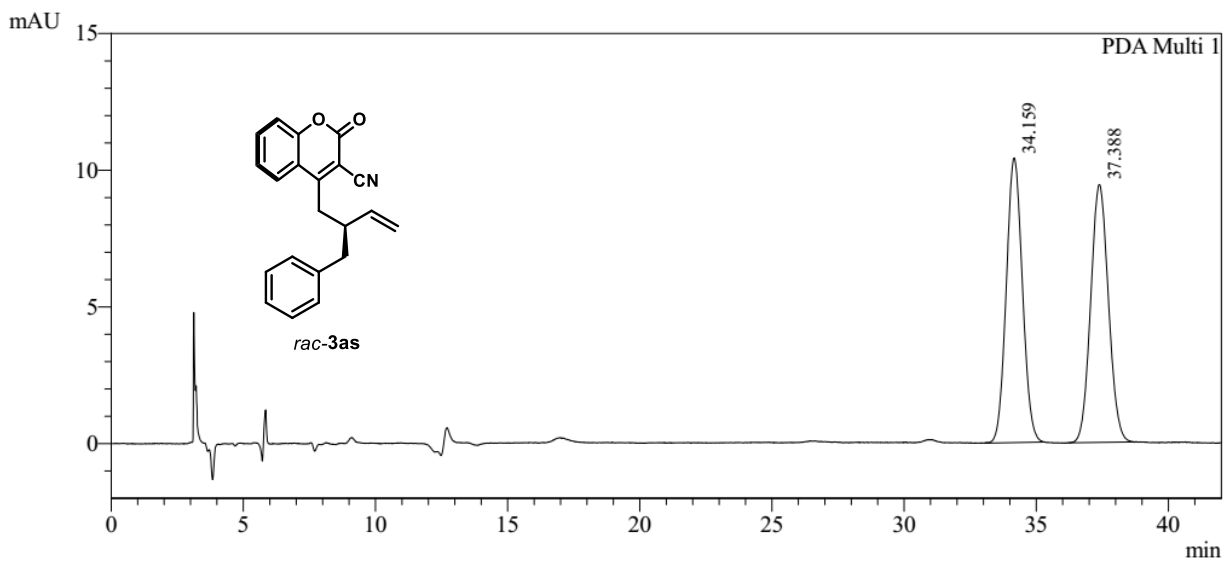


PeakTable

PDA Ch1 341nm 4nm

Peak#	Ret. Time	Area	Area %
1	11.788	102972	6.454
2	12.355	1492456	93.546
Total		1595428	100.000



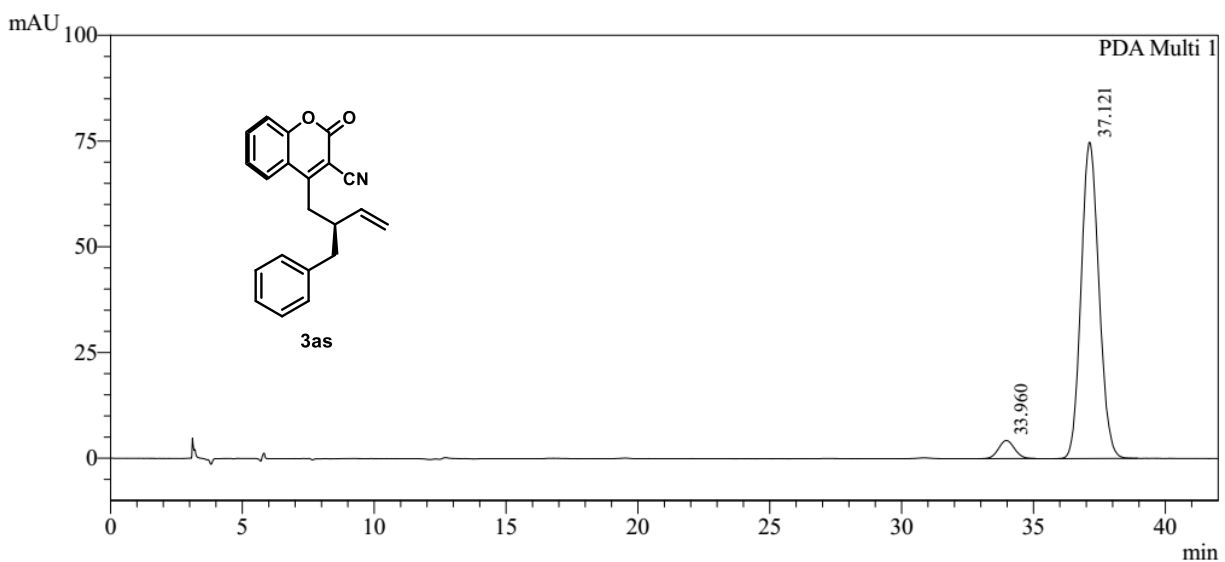


PeakTable

PDA Ch1 294nm 4nm

Peak#	Ret. Time	Area	Area %
1	34.159	442046	50.073
2	37.388	440759	49.927
Total		882805	100.000

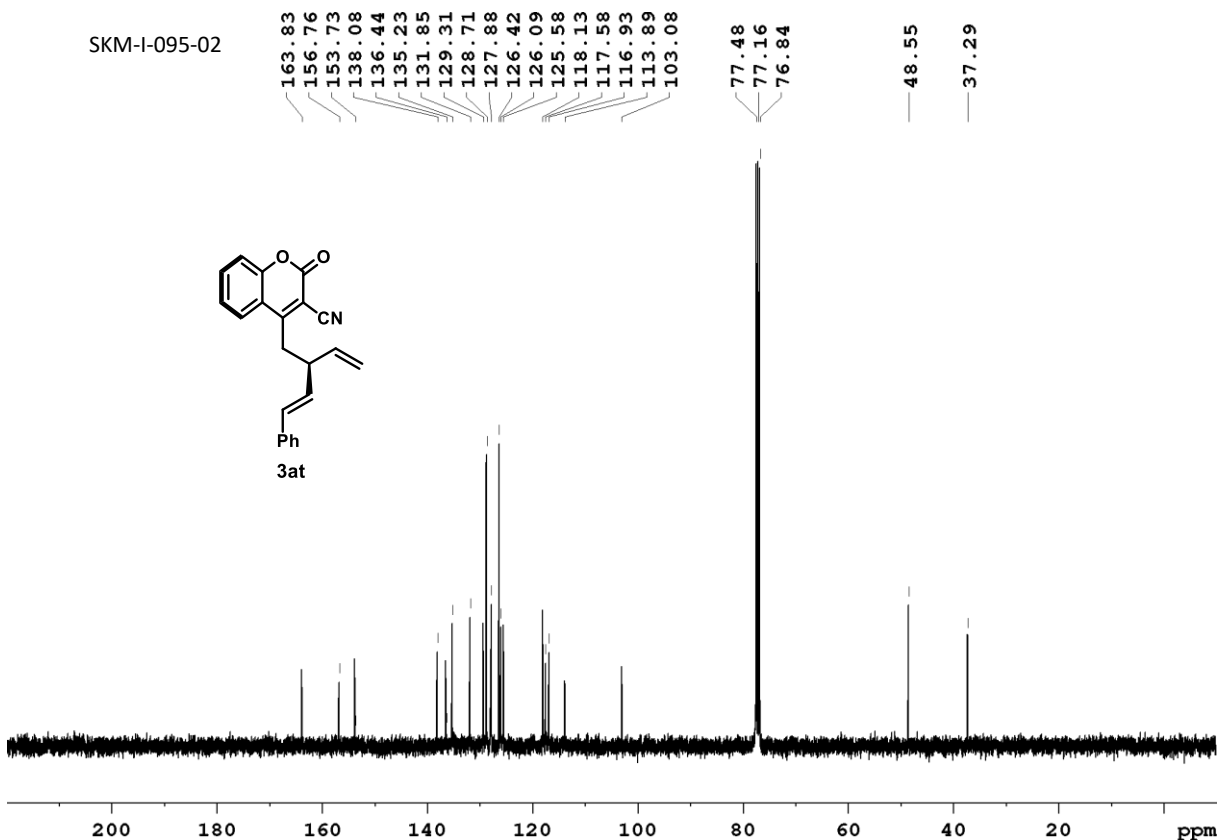
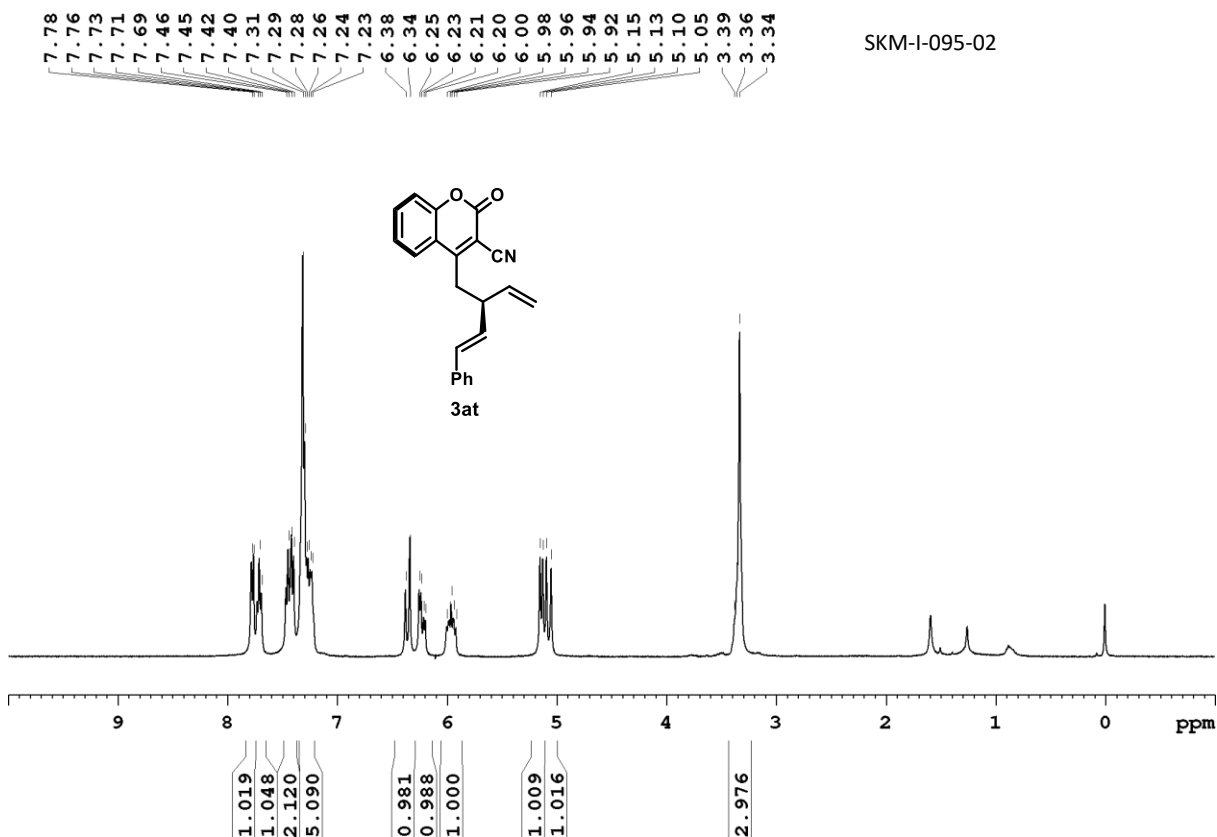
Daicel Chiralpak IG column (95:5 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

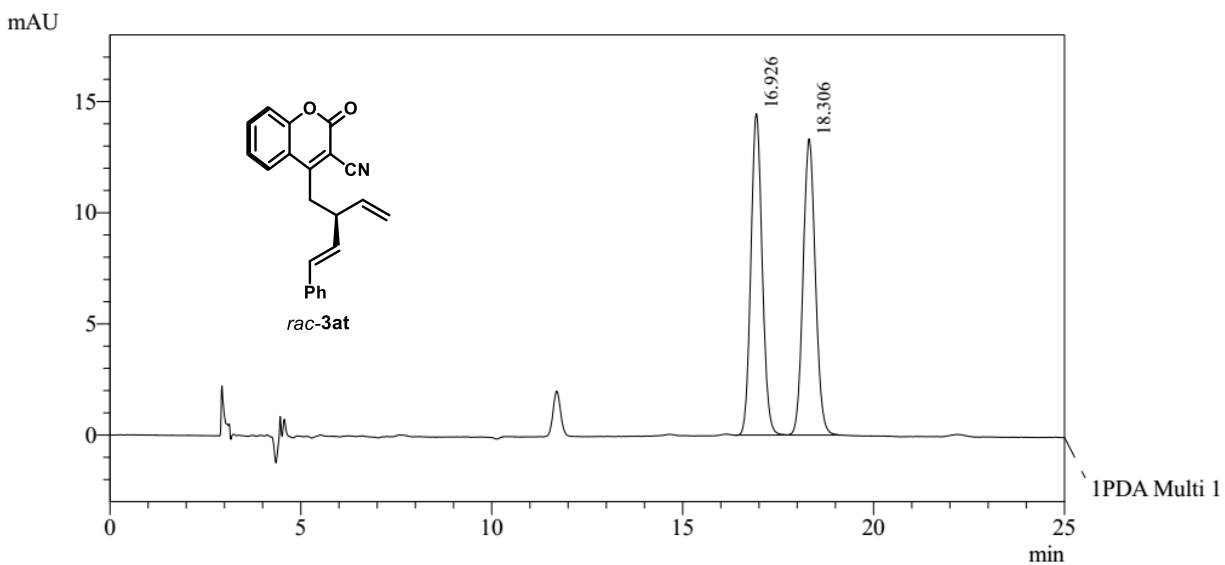


PeakTable

PDA Ch1 294nm 4nm

Peak#	Ret. Time	Area	Area %
1	33.960	180213	4.872
2	37.121	3518974	95.128
Total		3699188	100.000





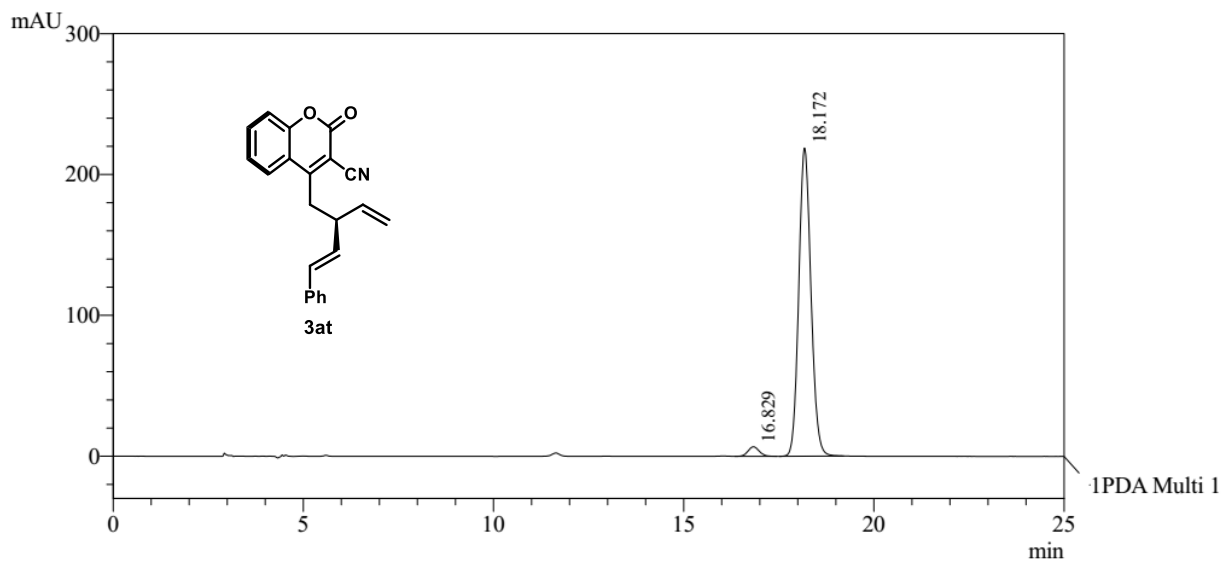
1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Area %
1	16.926	298137	49.954
2	18.306	298689	50.046
Total		596826	100.000

Daicel Chiralpak IA column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

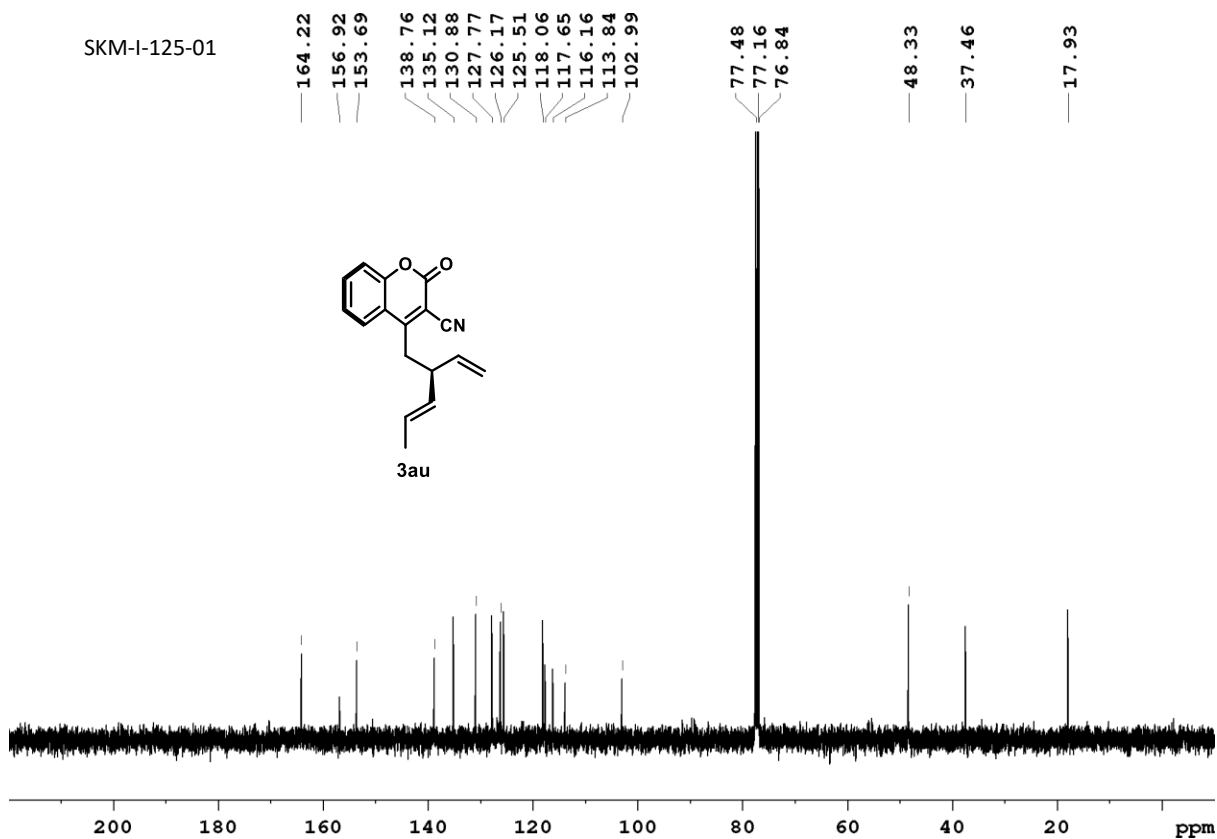
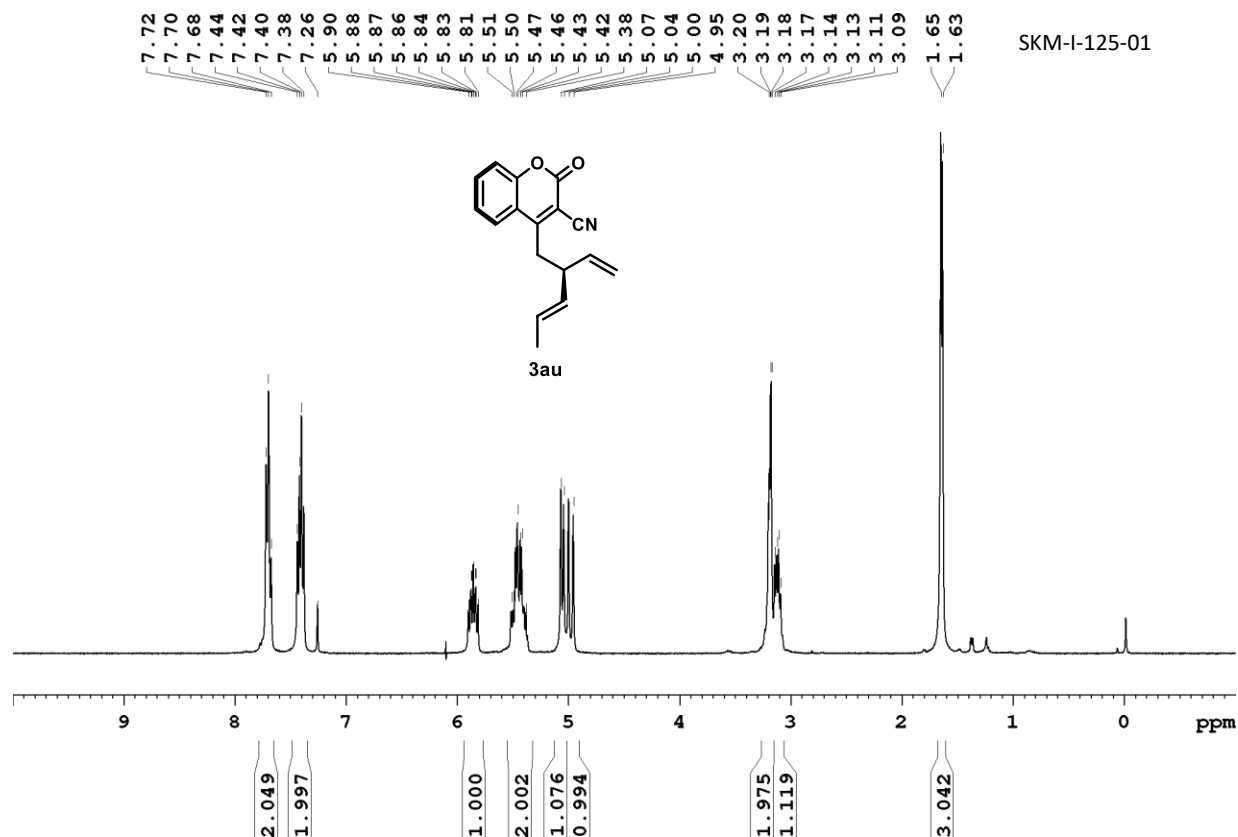


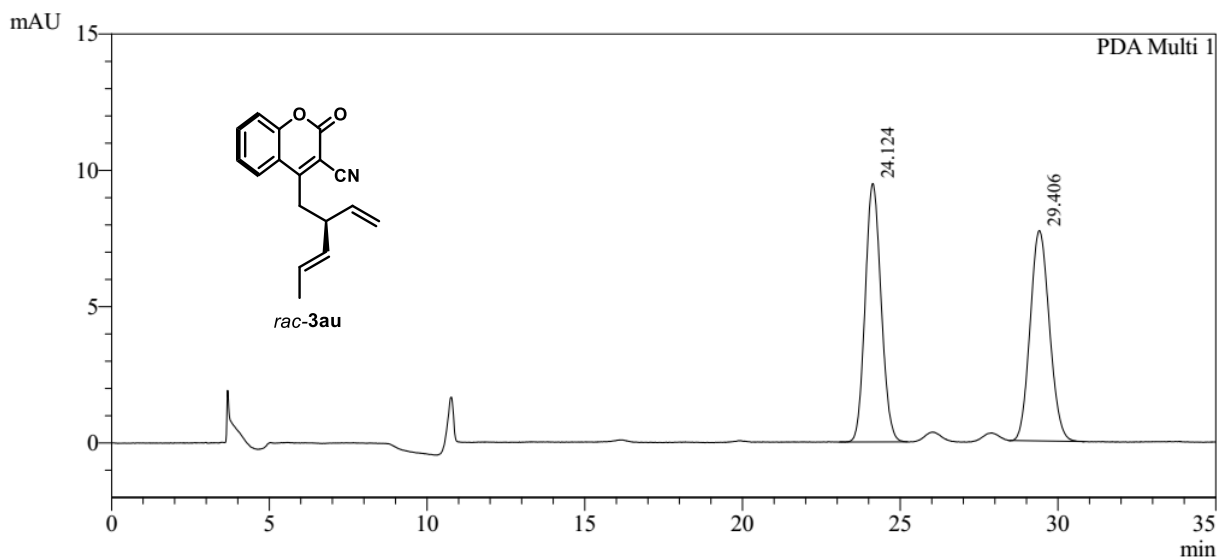
1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Area %
1	16.829	138274	2.753
2	18.172	4884341	97.247
Total		5022615	100.000



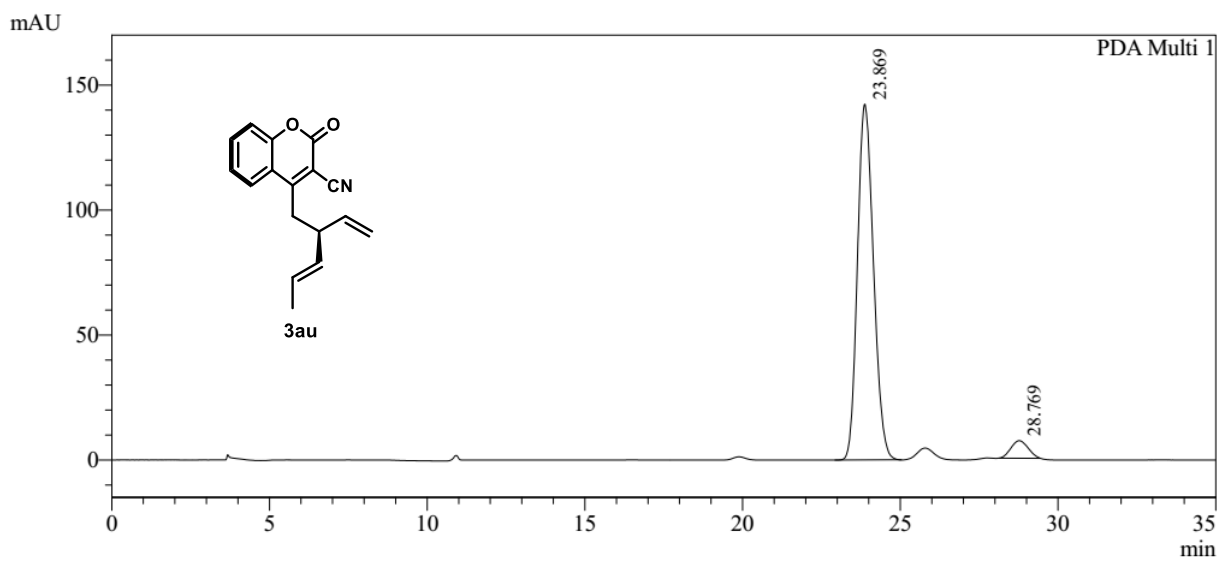


PeakTable

PDA Ch1 322nm 4nm

Peak#	Ret. Time	Area	Area %
1	24.124	332479	50.324
2	29.406	328194	49.676
Total		660673	100.000

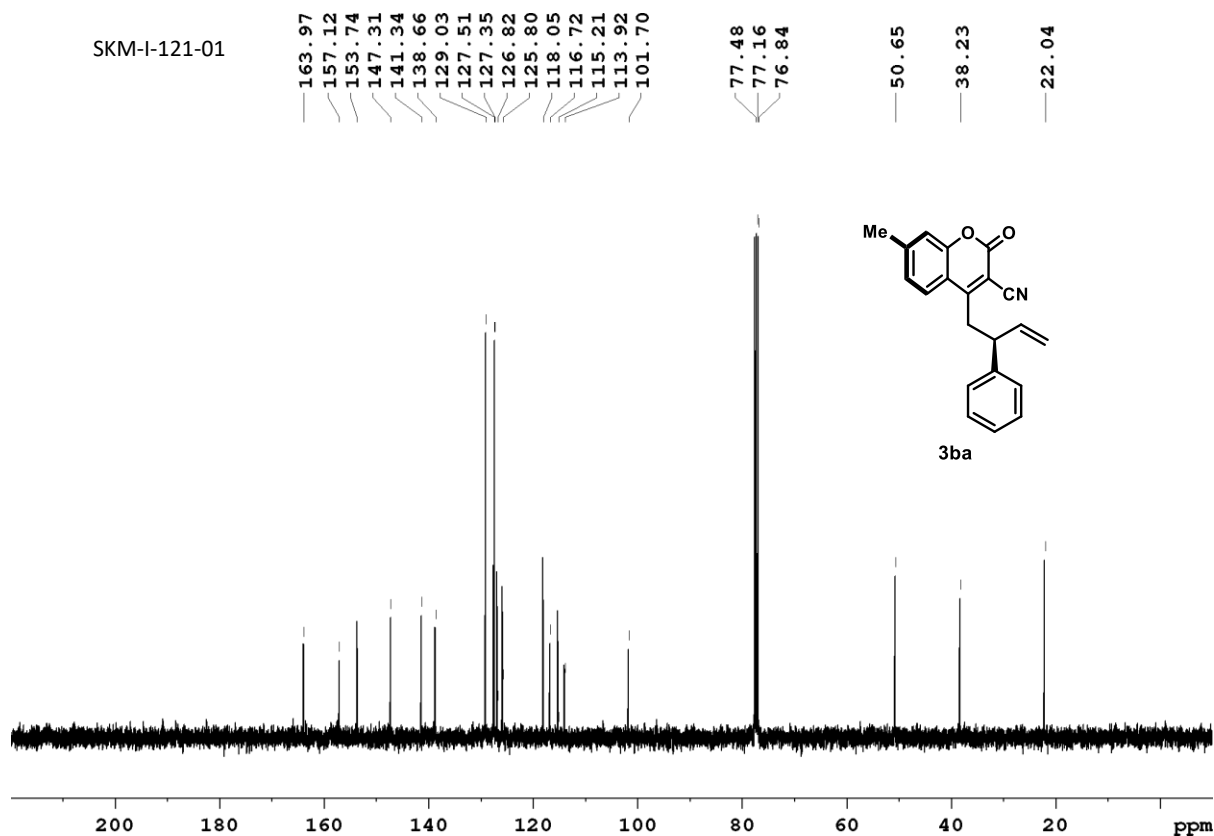
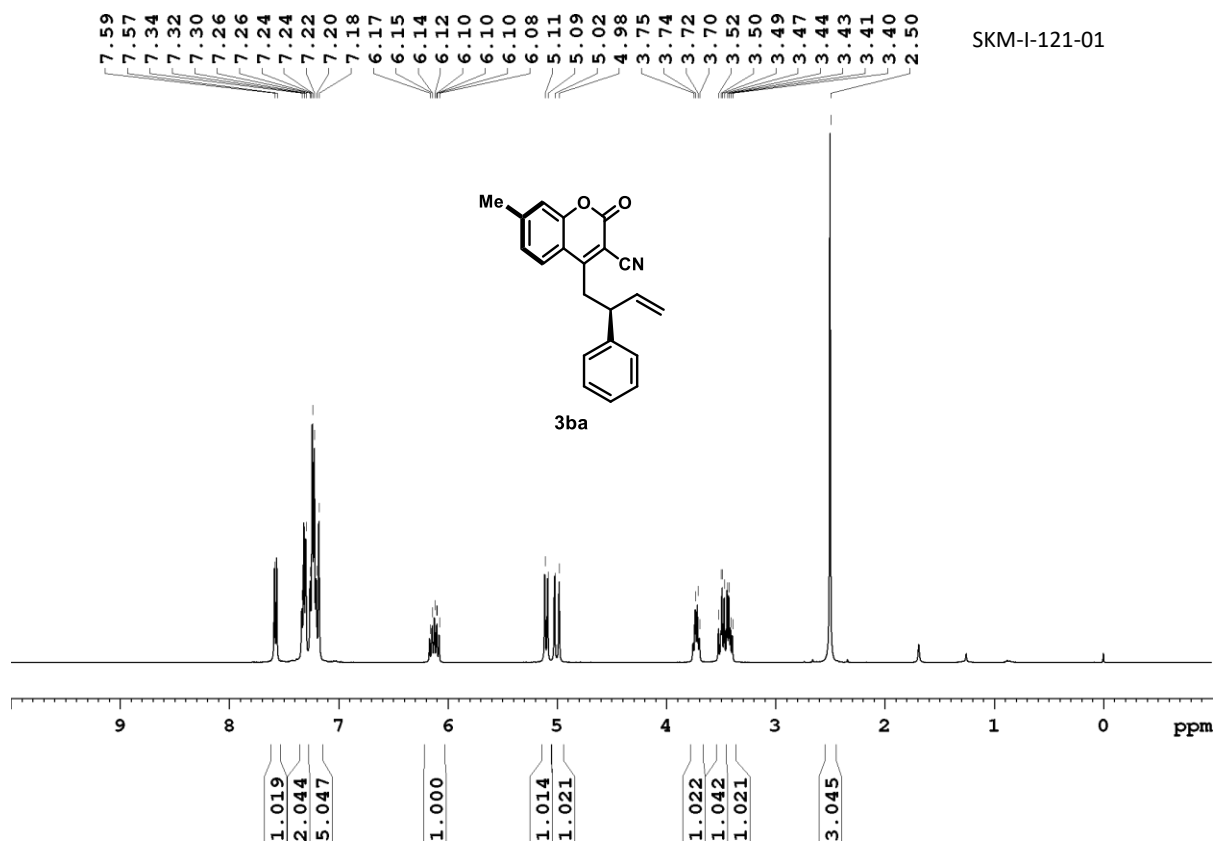
Phenomenex Cellulose-1 column (99:1 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

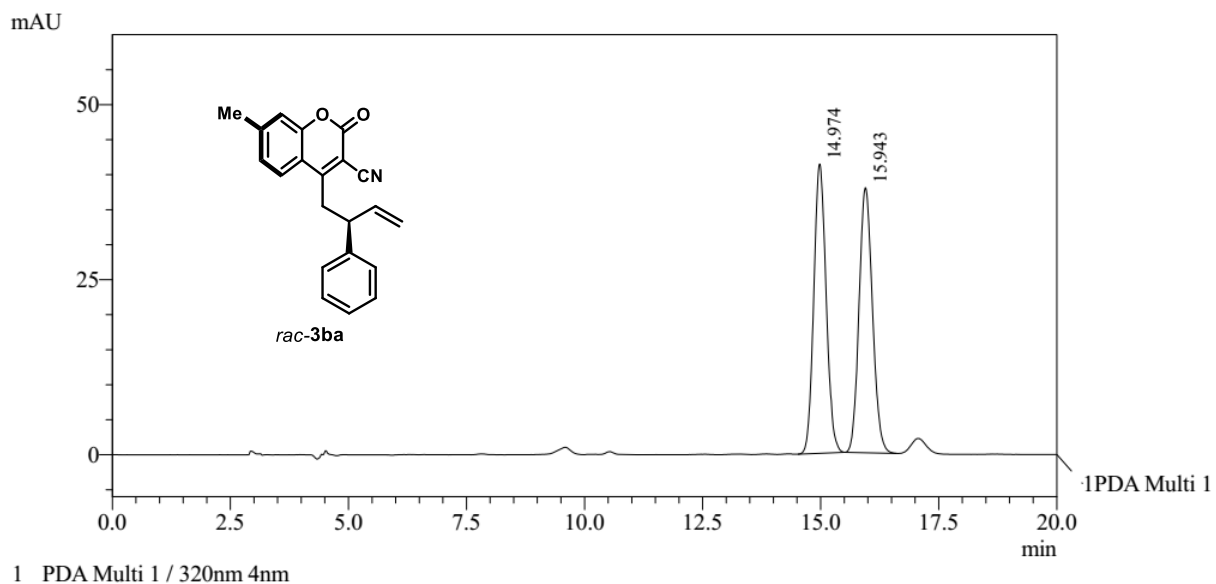


PeakTable

PDA Ch1 322nm 4nm

Peak#	Ret. Time	Area	Area %
1	23.869	5030986	94.970
2	28.769	266459	5.030
Total		5297444	100.000



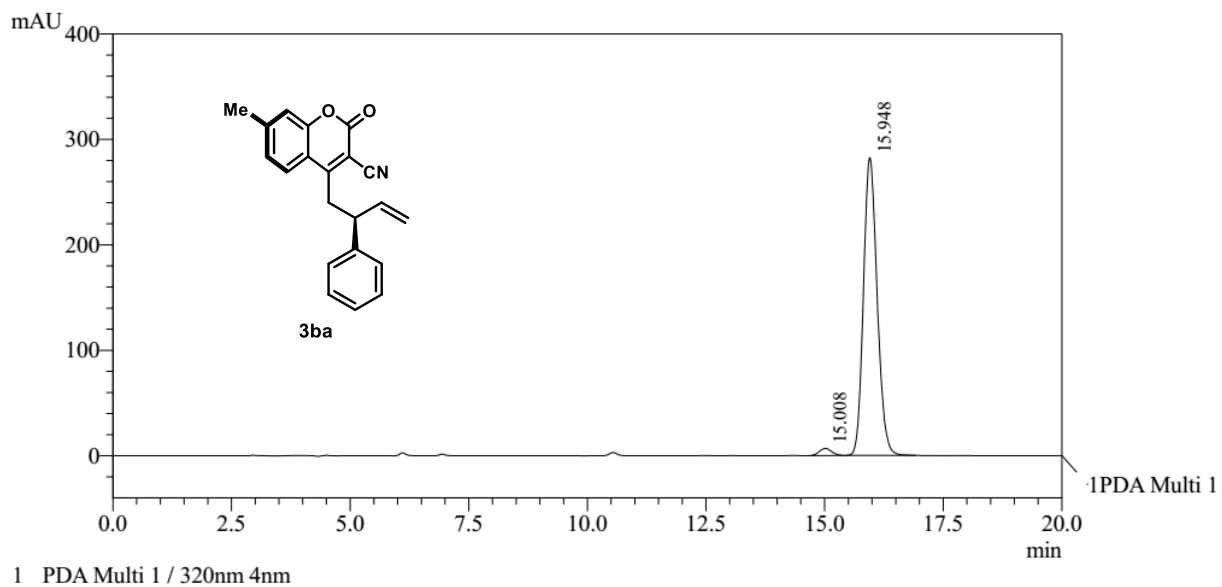


PeakTable

PDA Ch1 320nm 4nm

Peak#	Ret. Time	Area	Area %
1	14.974	751846	50.116
2	15.943	748375	49.884
Total		1500221	100.000

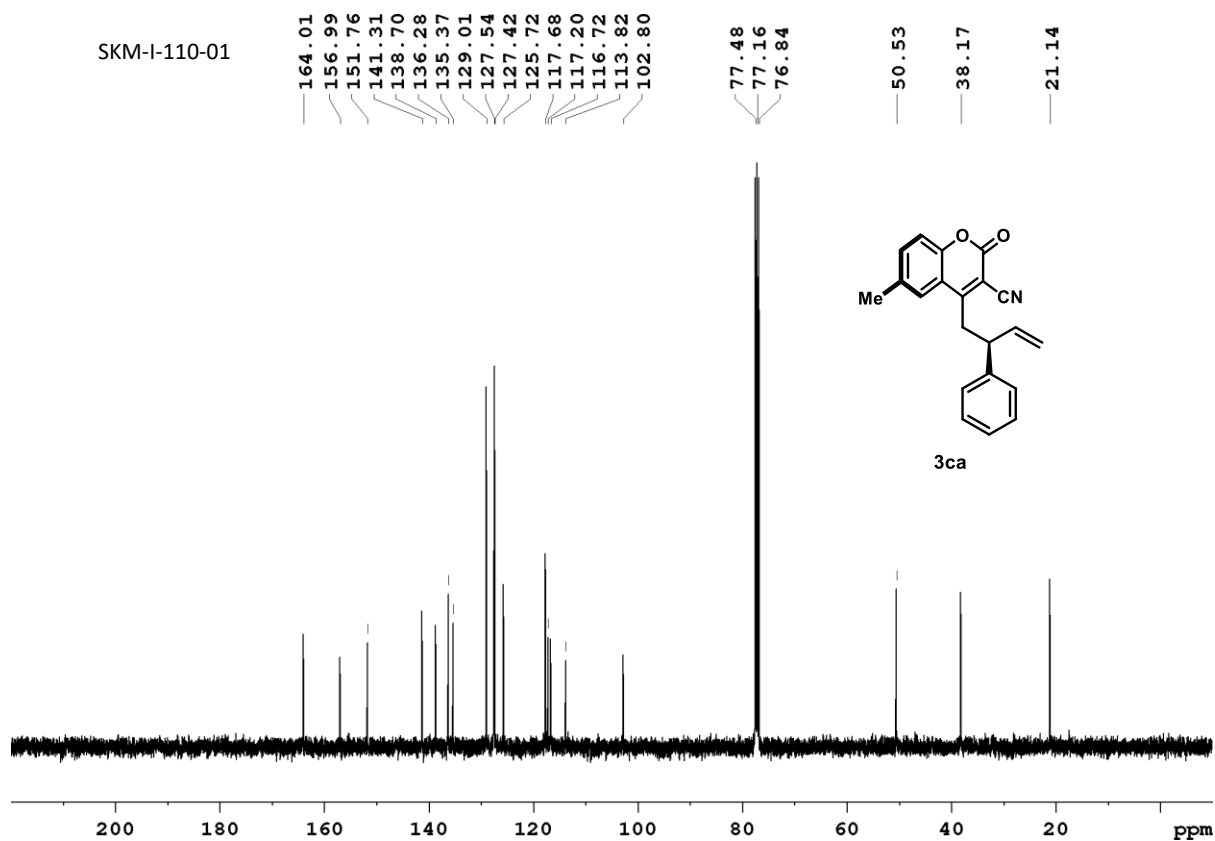
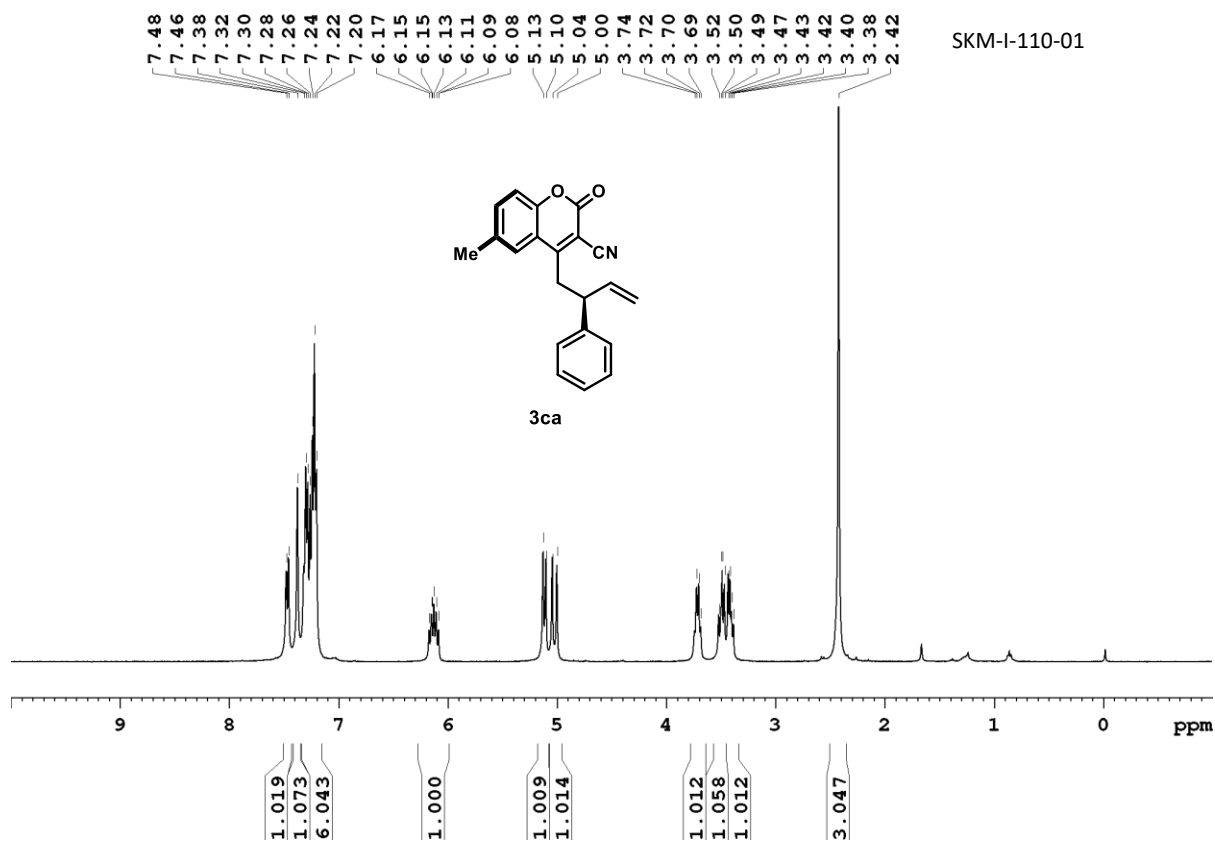
Daicel Chiralpak IA column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

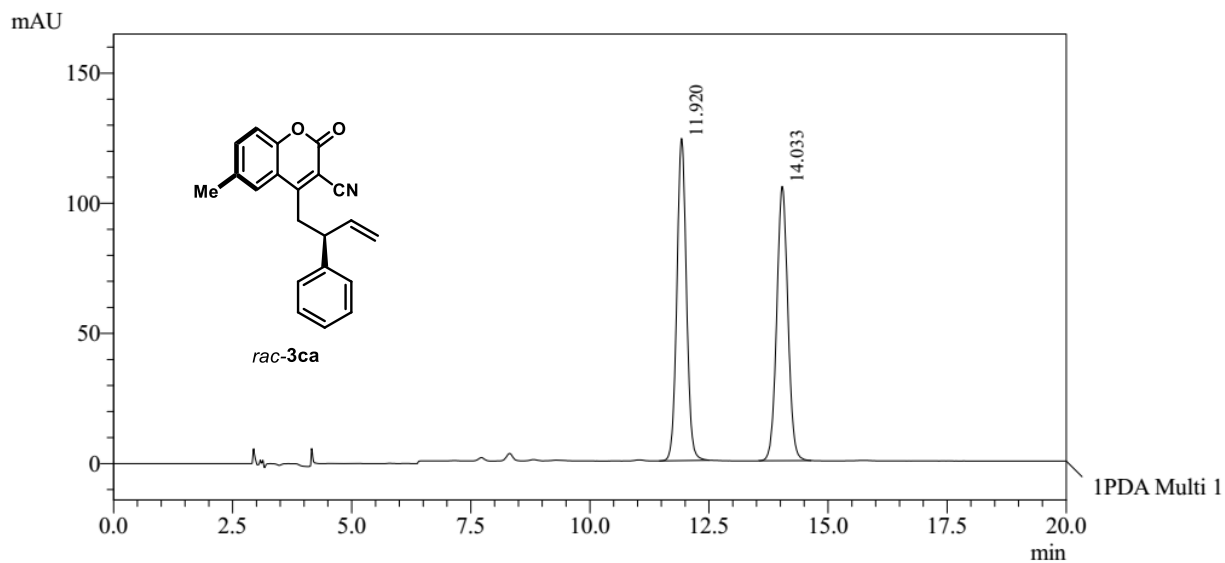


PeakTable

PDA Ch1 320nm 4nm

Peak#	Ret. Time	Area	Area %
1	15.008	122477	2.111
2	15.948	5680719	97.889
Total		5803196	100.000





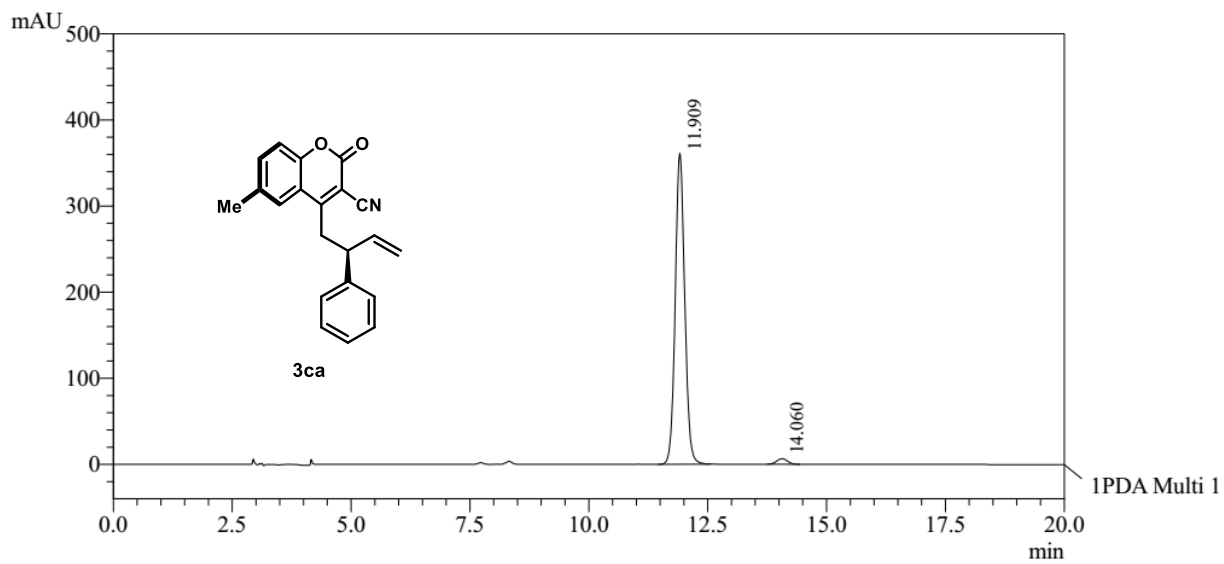
1 PDA Multi 1 / 308nm 4nm

PeakTable

PDA Ch1 308nm 4nm

Peak#	Ret. Time	Area	Area %
1	11.920	1724004	50.066
2	14.033	1719428	49.934
Total		3443432	100.000

Daicel Chiralpak IB column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

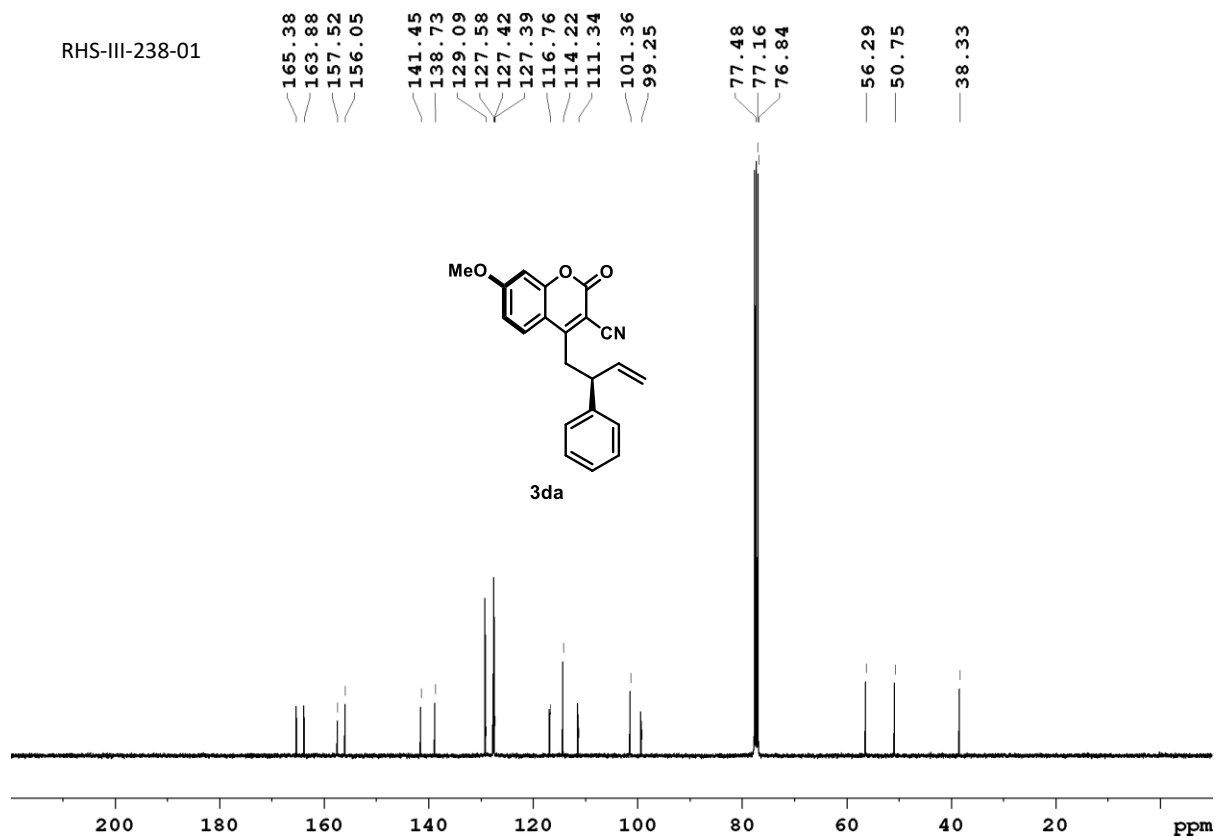
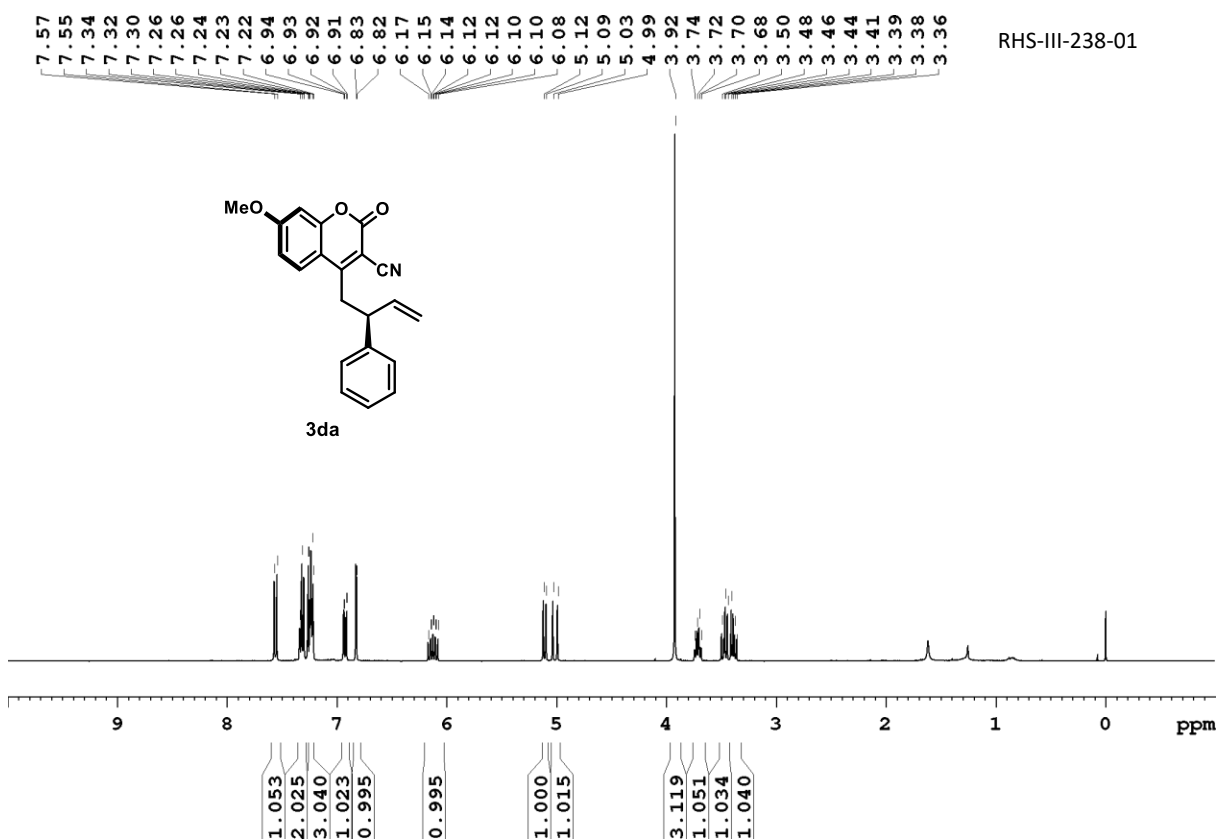


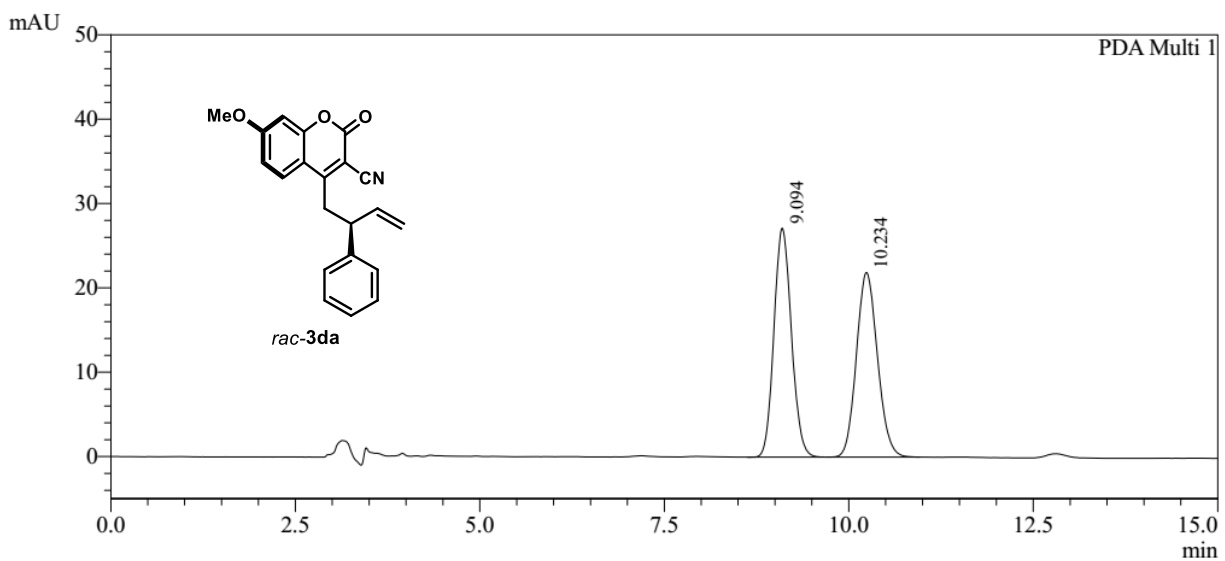
1 PDA Multi 1 / 308nm 4nm

PeakTable

PDA Ch1 308nm 4nm

Peak#	Ret. Time	Area	Area %
1	11.909	5022981	97.986
2	14.060	103258	2.014
Total		5126239	100.000



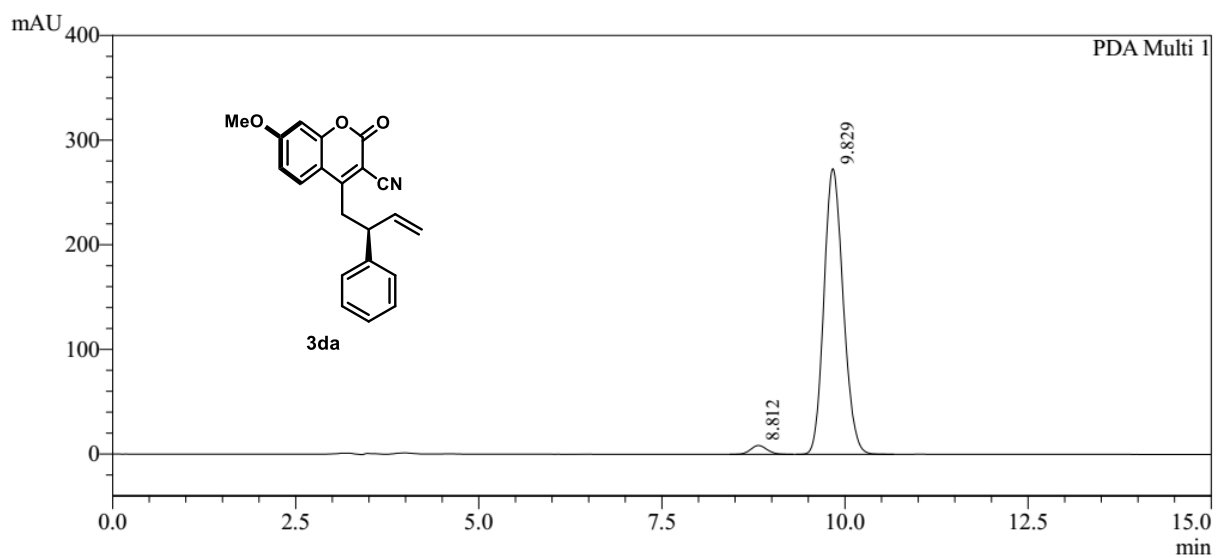


PeakTable

PDA Ch1 246nm 4nm

Peak#	Ret. Time	Area	Area %
1	9.094	446192	50.602
2	10.234	435570	49.398
Total		881763	100.000

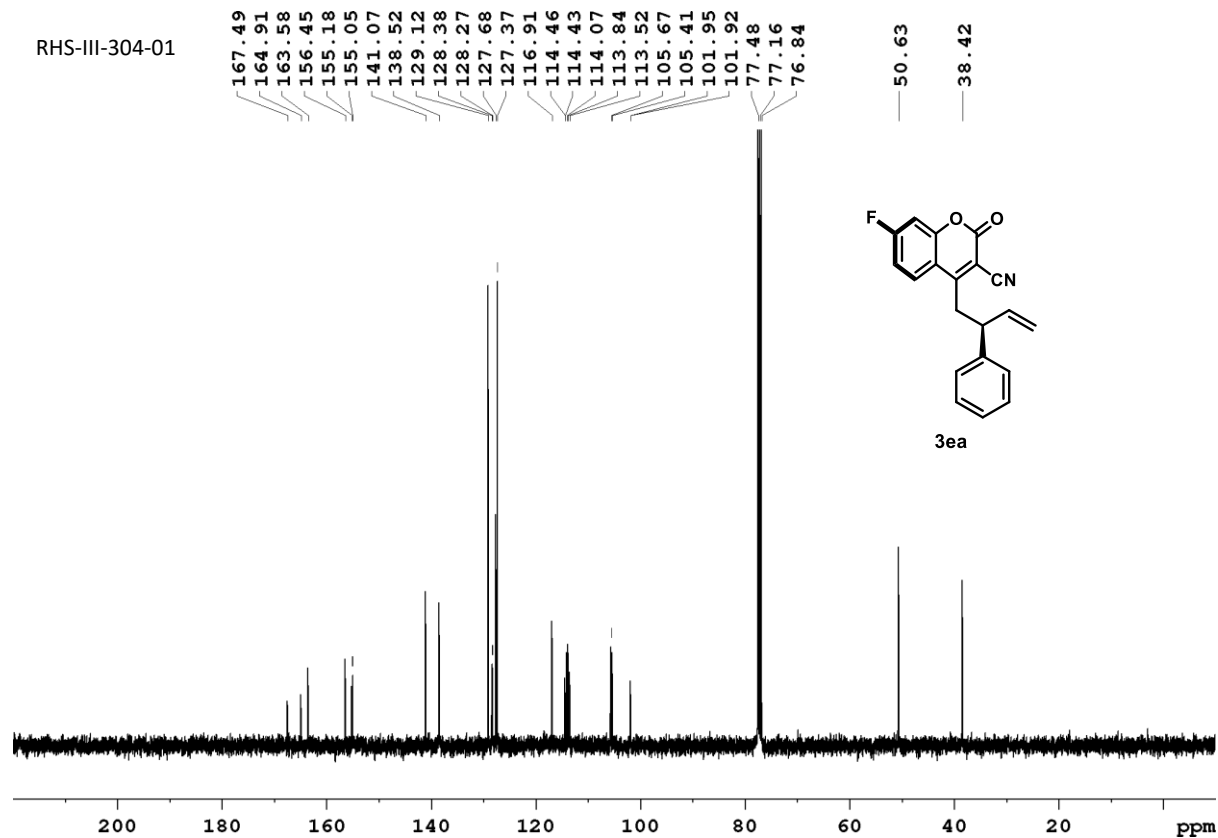
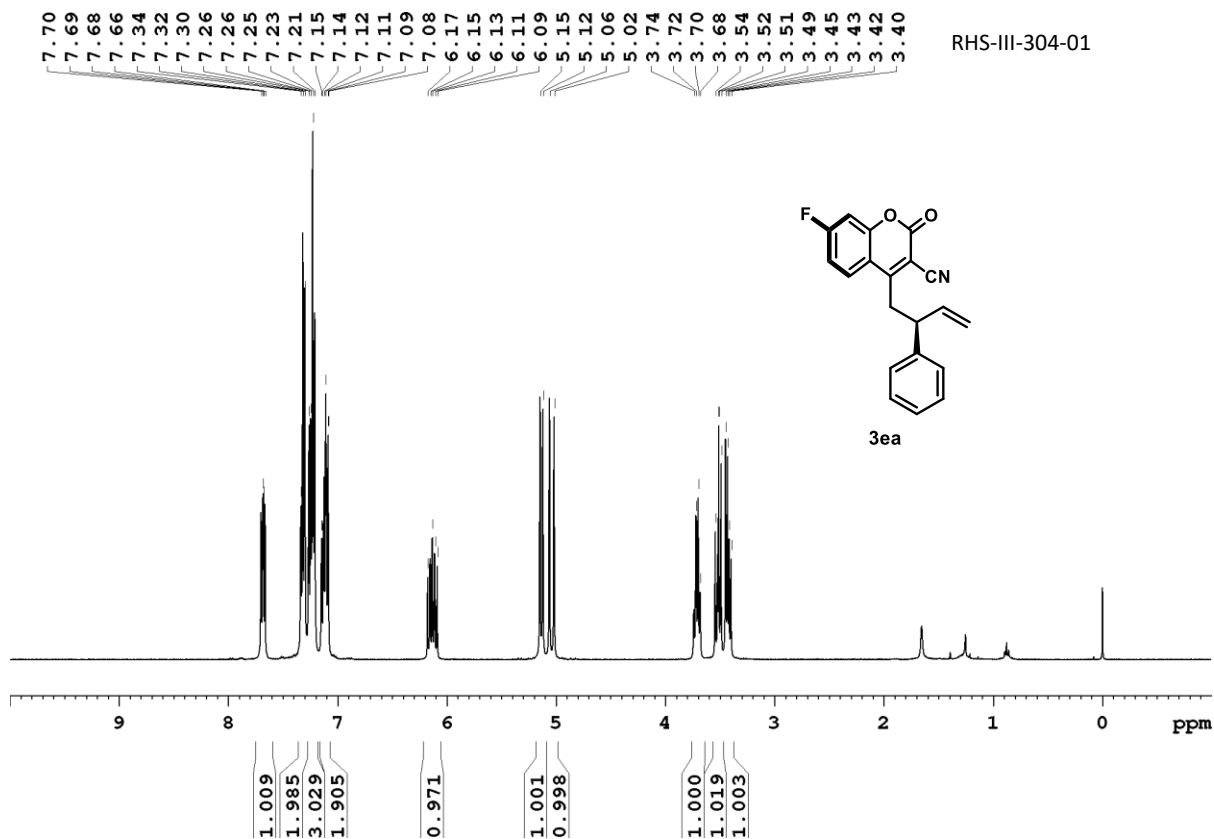
Daicel Chiralpak AS-H column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

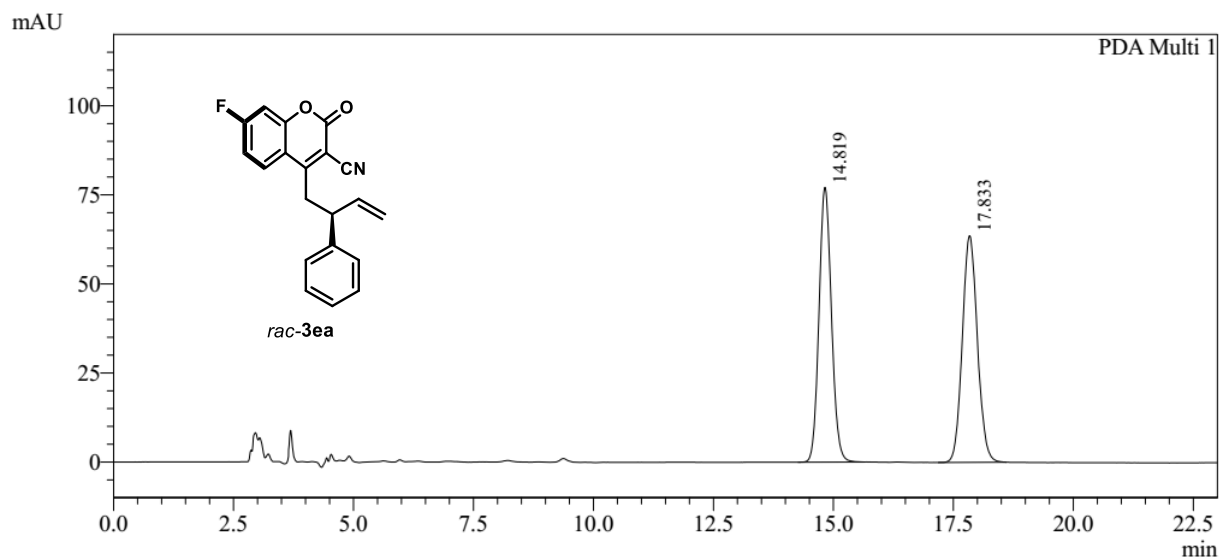


PeakTable

PDA Ch1 246nm 4nm

Peak#	Ret. Time	Area	Area %
1	8.812	131011	2.546
2	9.829	5015195	97.454
Total		5146206	100.000



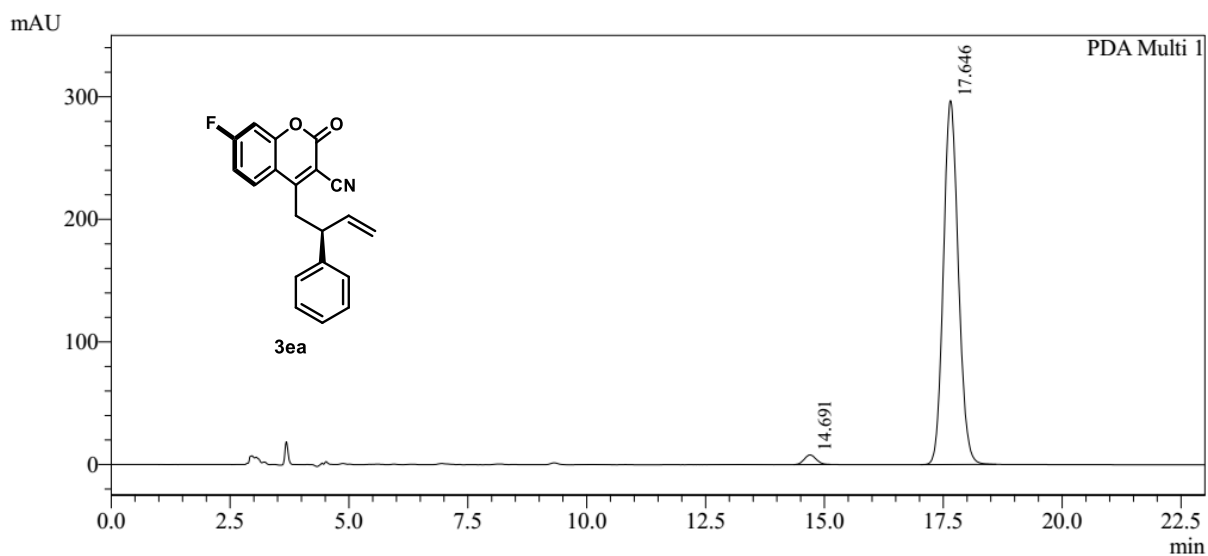


PeakTable

PDA Ch1 215nm 4nm

Peak#	Ret. Time	Area	Area %
1	14.819	1390816	50.028
2	17.833	1389278	49.972
Total		2780094	100.000

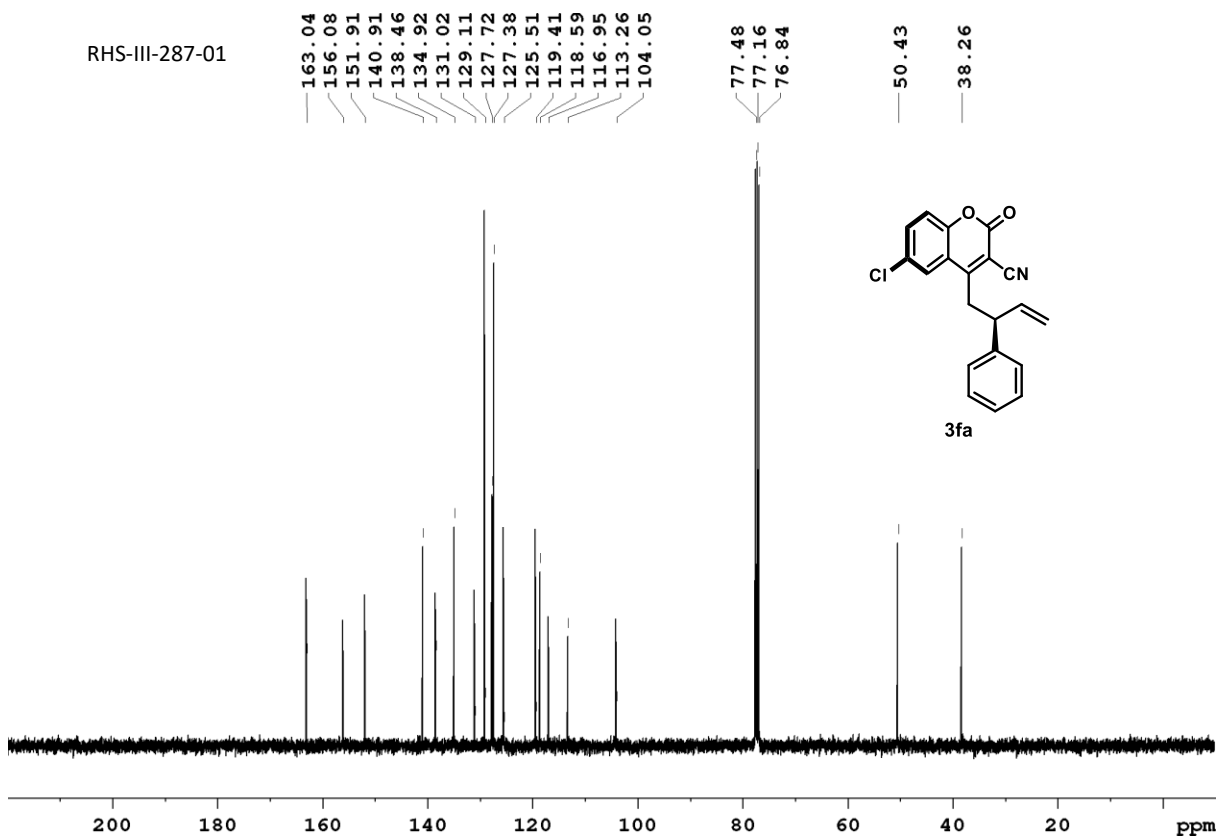
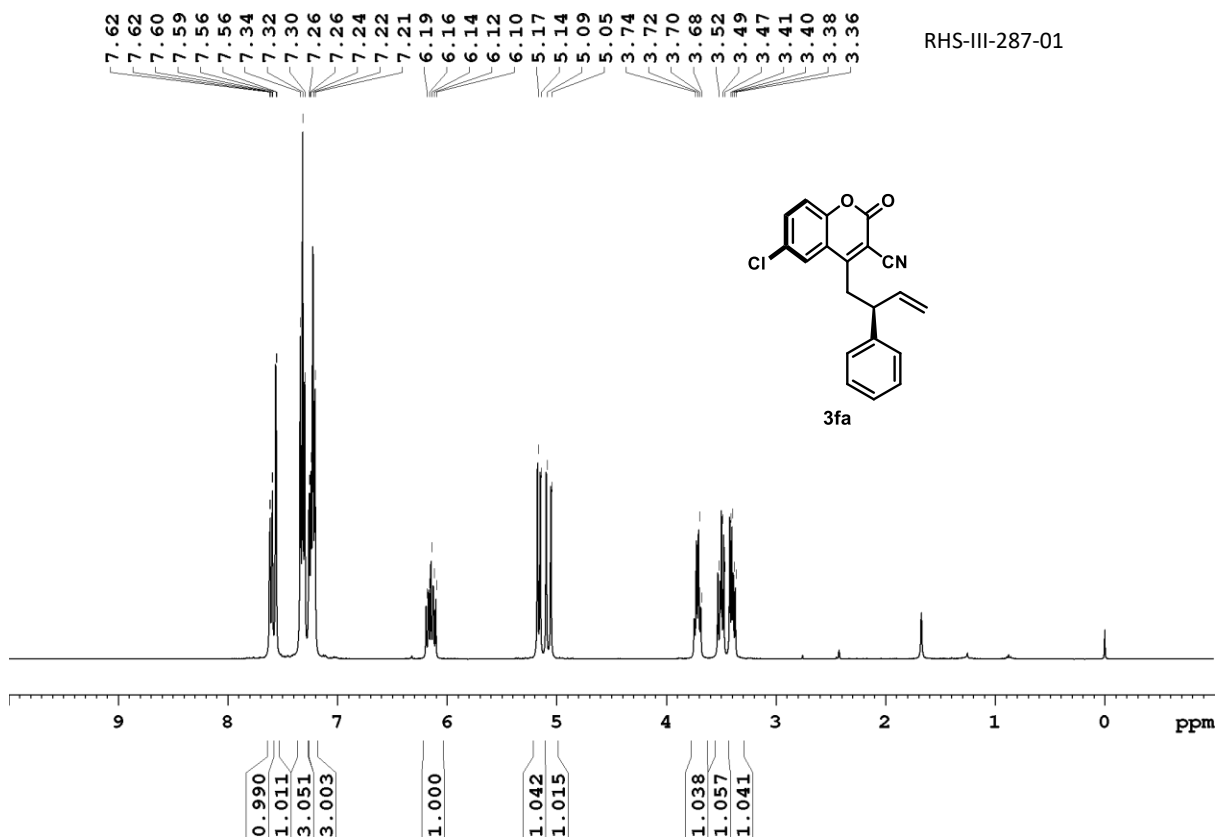
Daicel Chiralpak IA column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

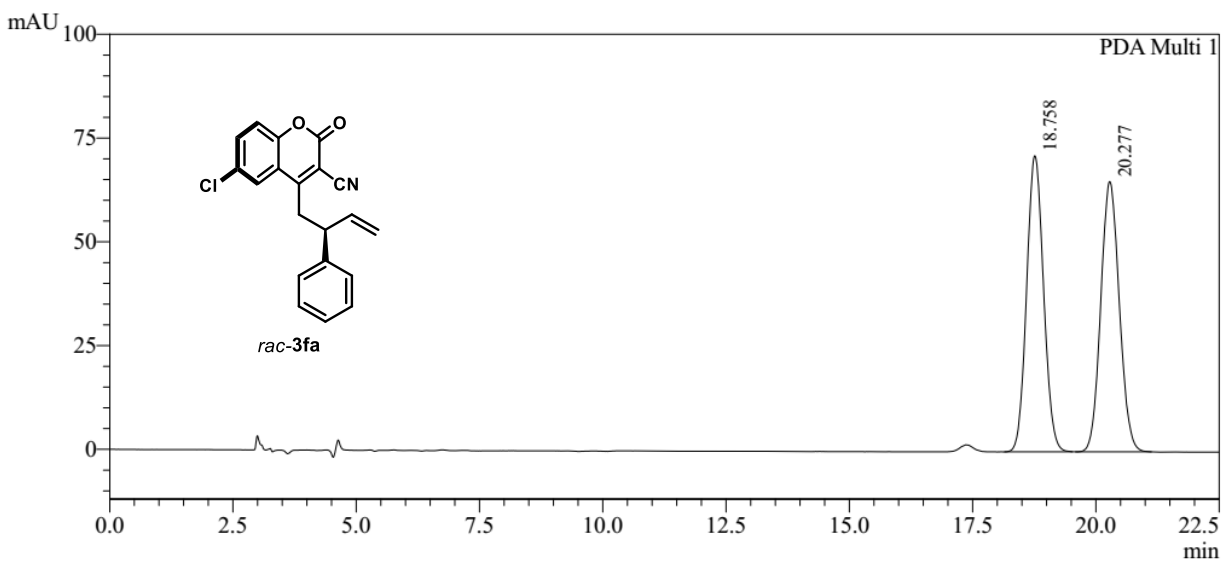


PeakTable

PDA Ch1 215nm 4nm

Peak#	Ret. Time	Area	Area %
1	14.691	136092	2.053
2	17.646	6493233	97.947
Total		6629325	100.000



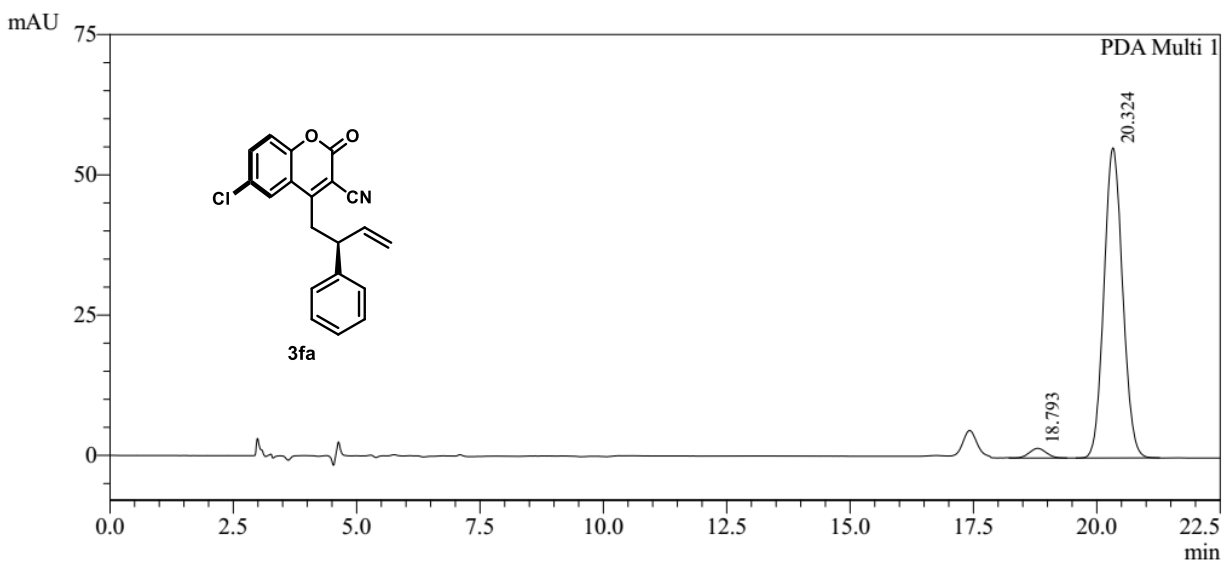


PeakTable

PDA Ch1 286nm 4nm

Peak#	Ret. Time	Area	Area %
1	18.758	1705950	50.014
2	20.277	1705003	49.986
Total		3410953	100.000

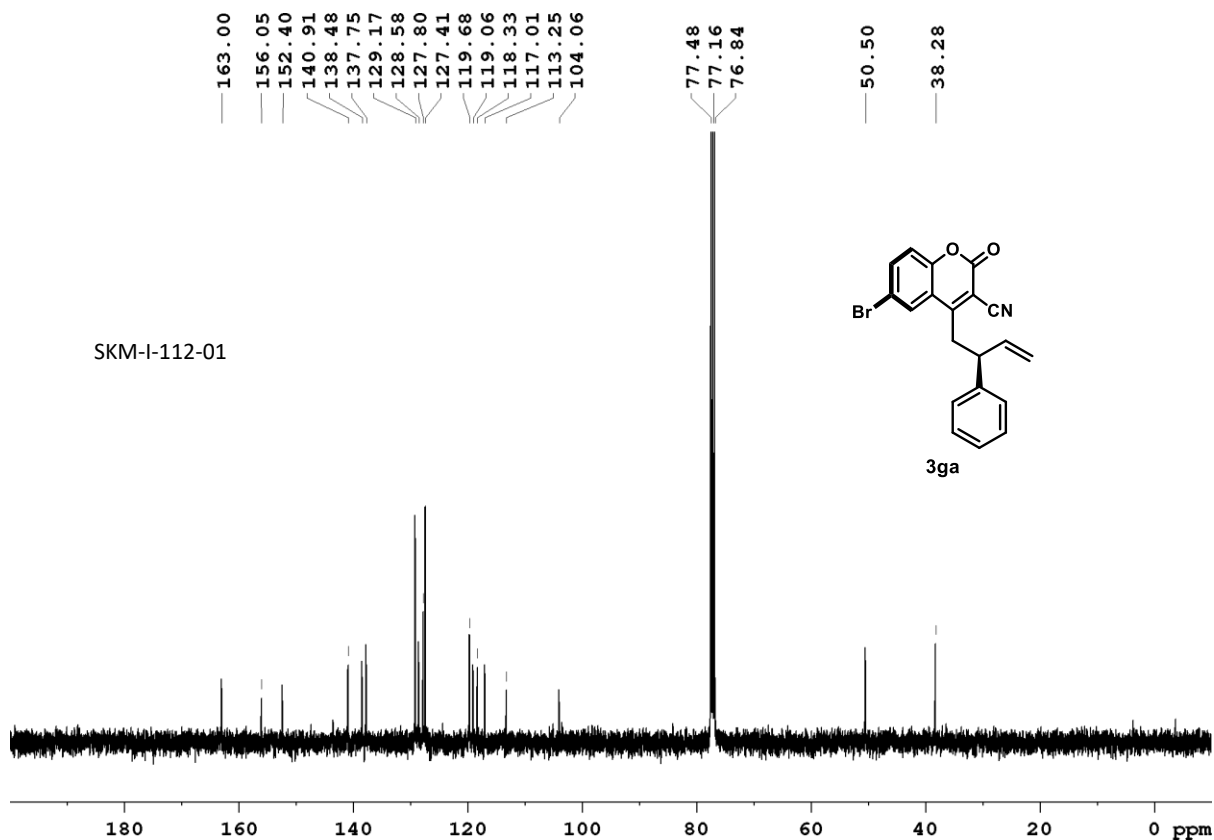
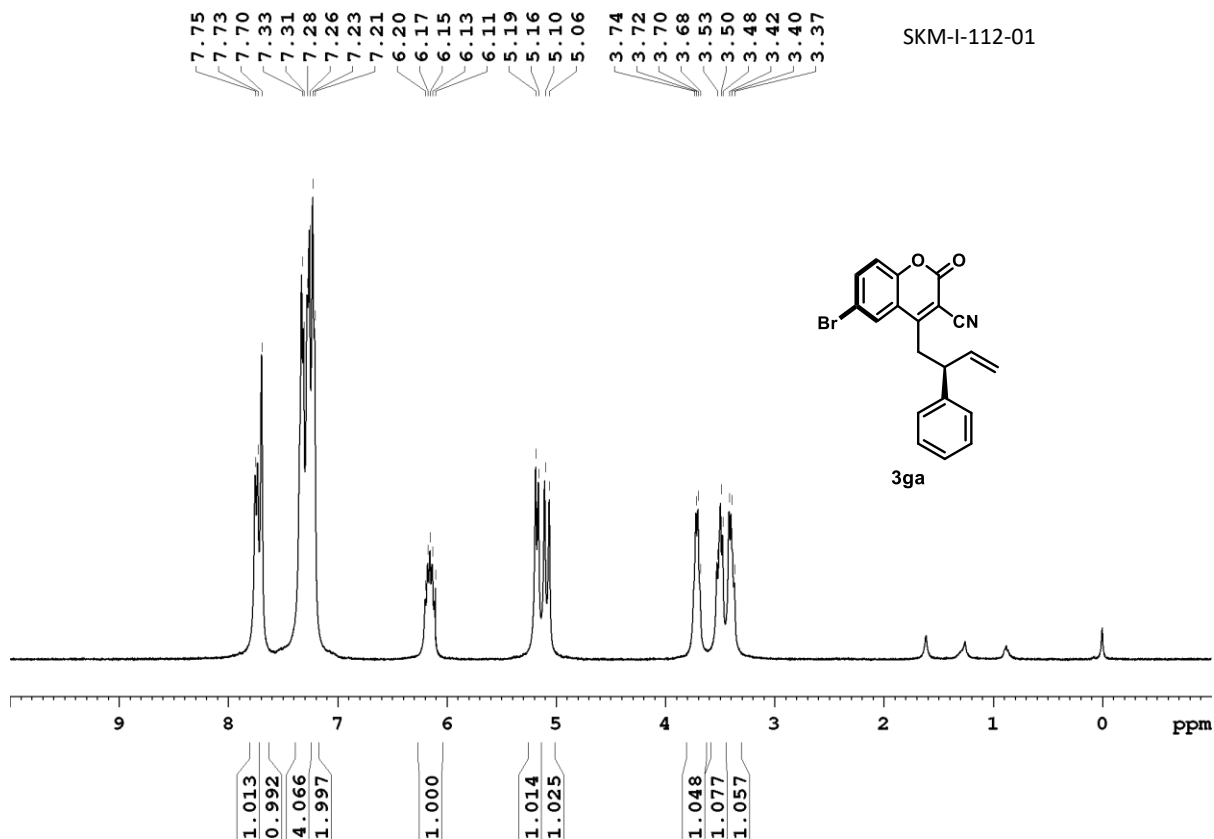
Daicel Chiralpak AS-H column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

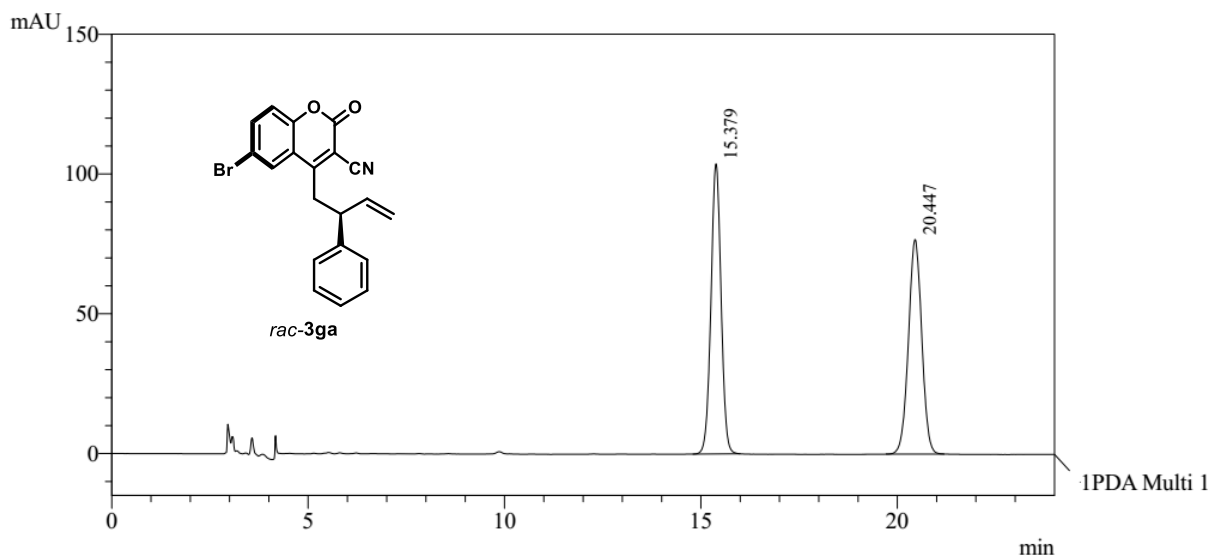


PeakTable

PDA Ch1 286nm 4nm

Peak#	Ret. Time	Area	Area %
1	18.793	41155	2.746
2	20.324	1457505	97.254
Total		1498661	100.000





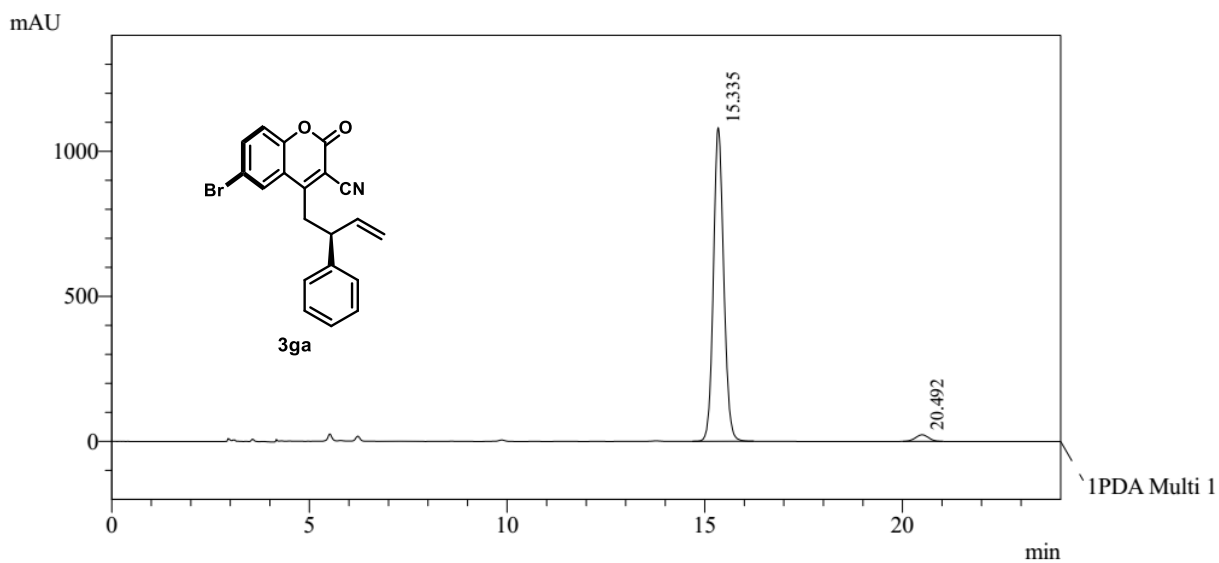
1 PDA Multi 1 / 224nm 4nm

PeakTable

PDA Ch1 224nm 4nm

Peak#	Ret. Time	Area	Area %
1	15.379	1856394	50.665
2	20.447	1807629	49.335
Total		3664023	100.000

Daicel Chiralpak IB column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

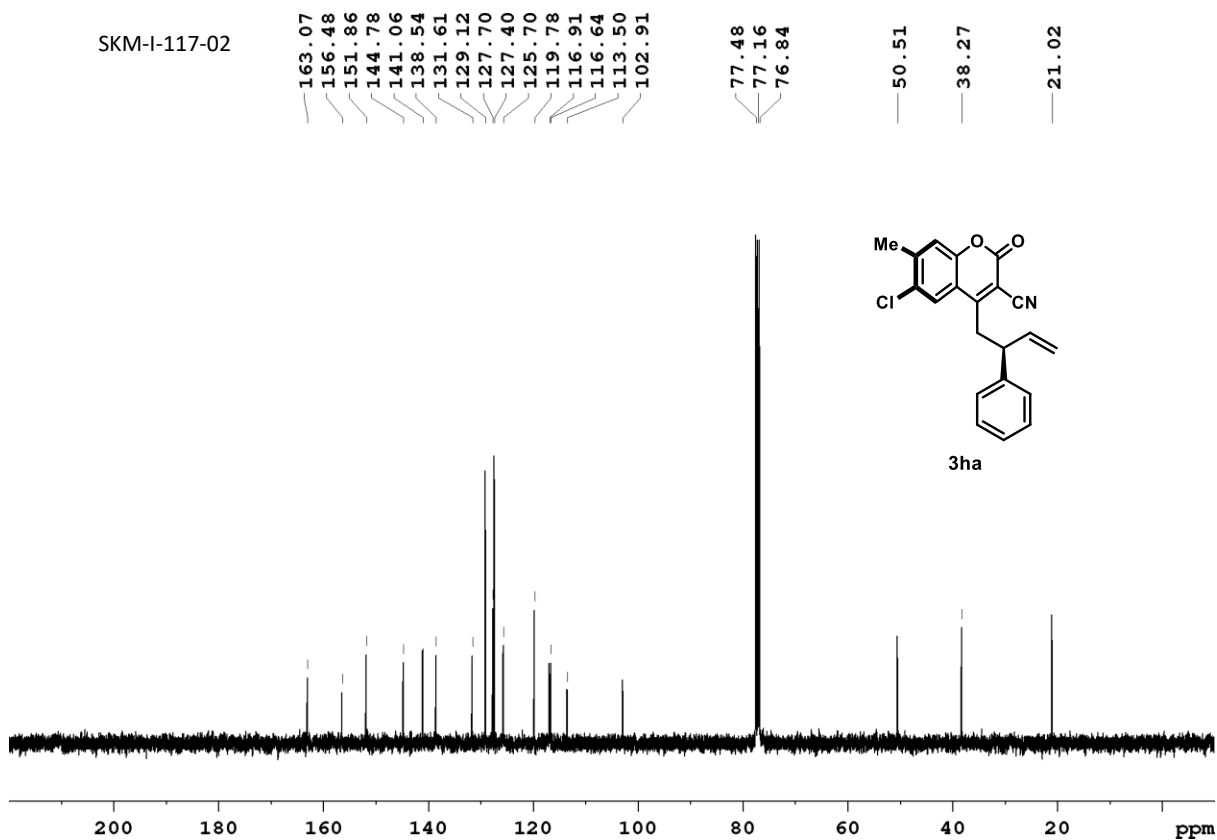
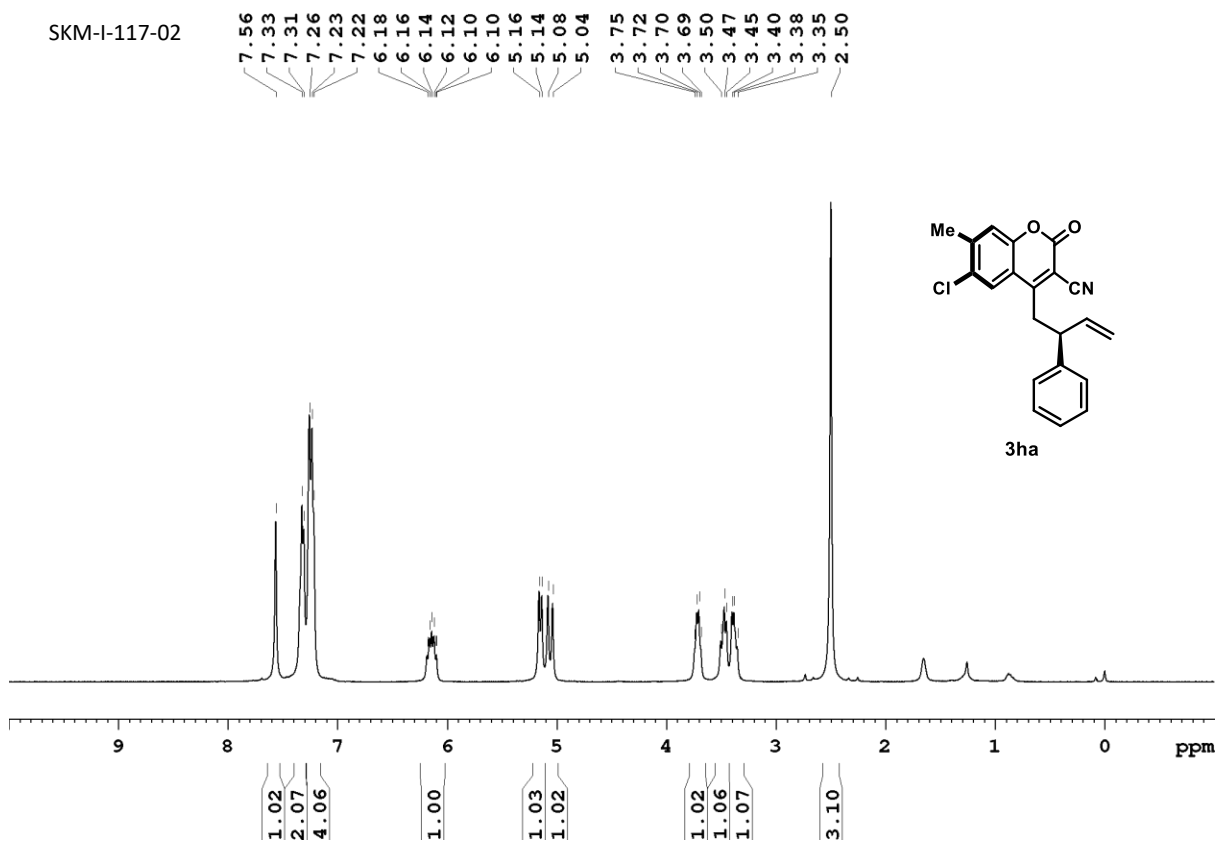


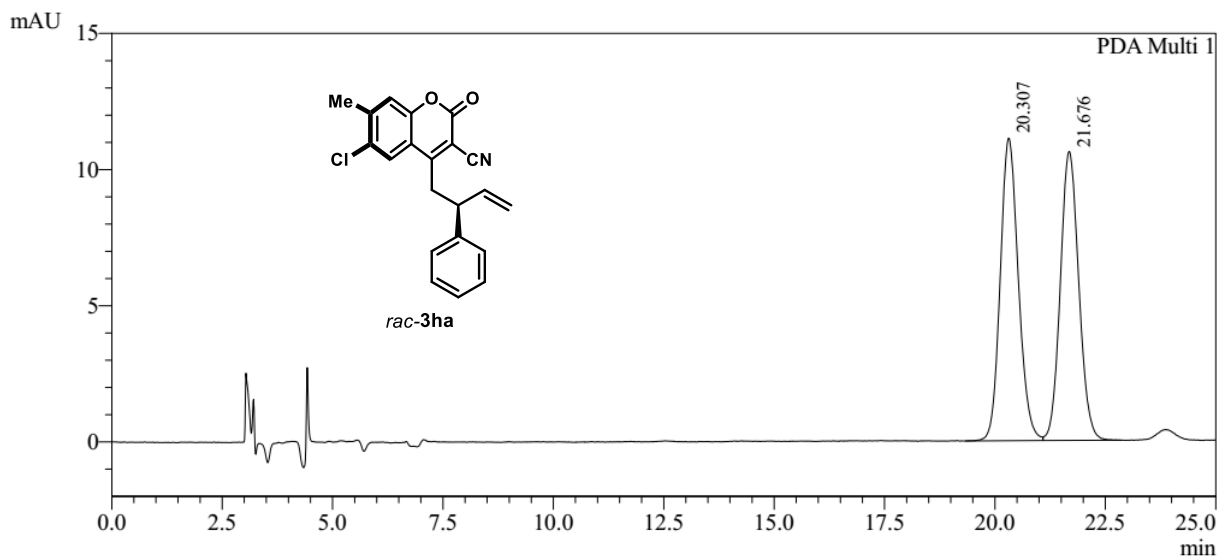
1 PDA Multi 1 / 224nm 4nm

PeakTable

PDA Ch1 224nm 4nm

Peak#	Ret. Time	Area	Area %
1	15.335	19599947	97.391
2	20.492	524973	2.609
Total		20124919	100.000



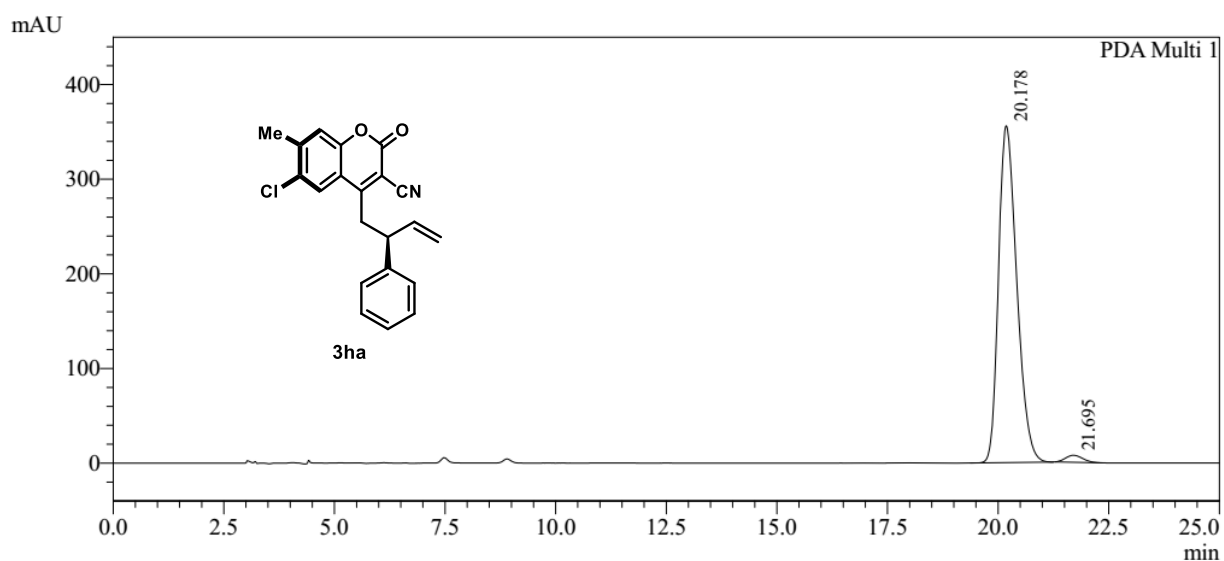


PeakTable

PDA Ch1 300nm 4nm

Peak#	Ret. Time	Area	Area %
1	20.307	317541	50.642
2	21.676	309487	49.358
Total		627028	100.000

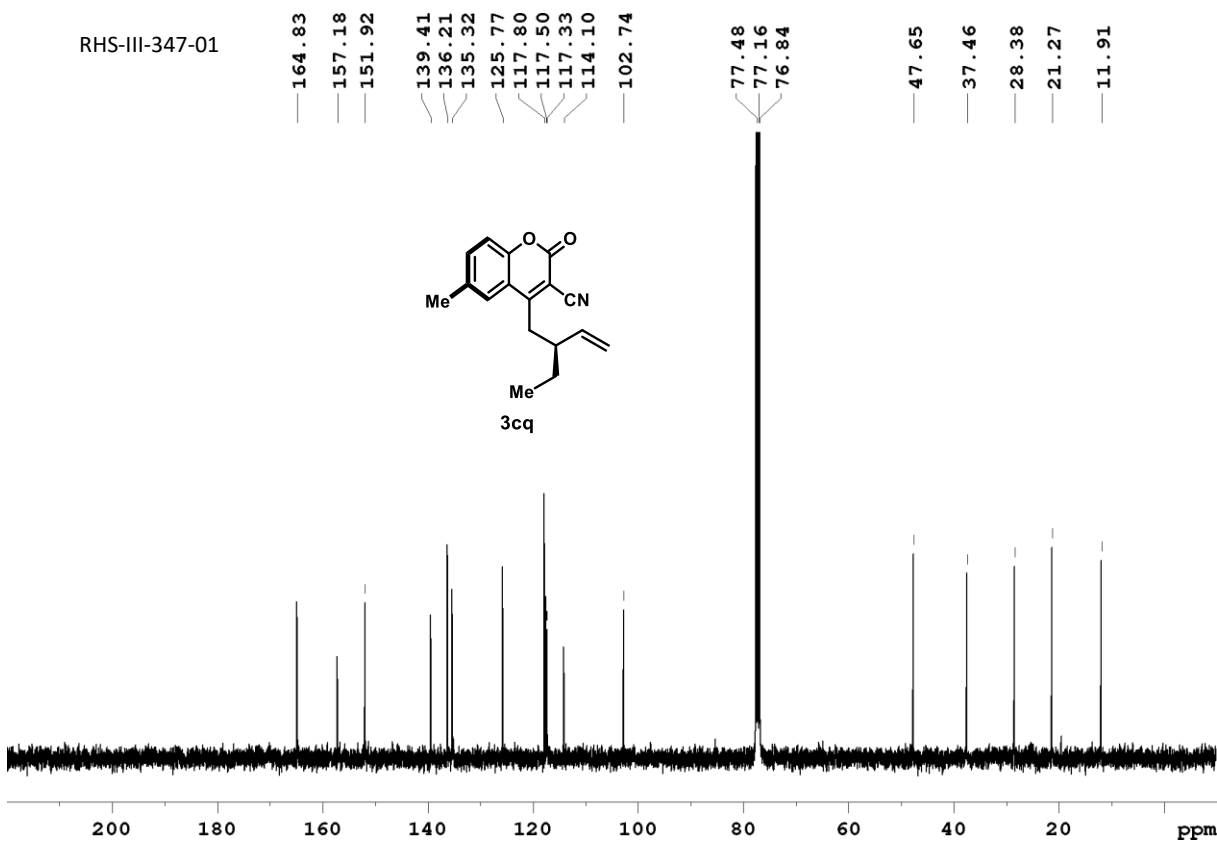
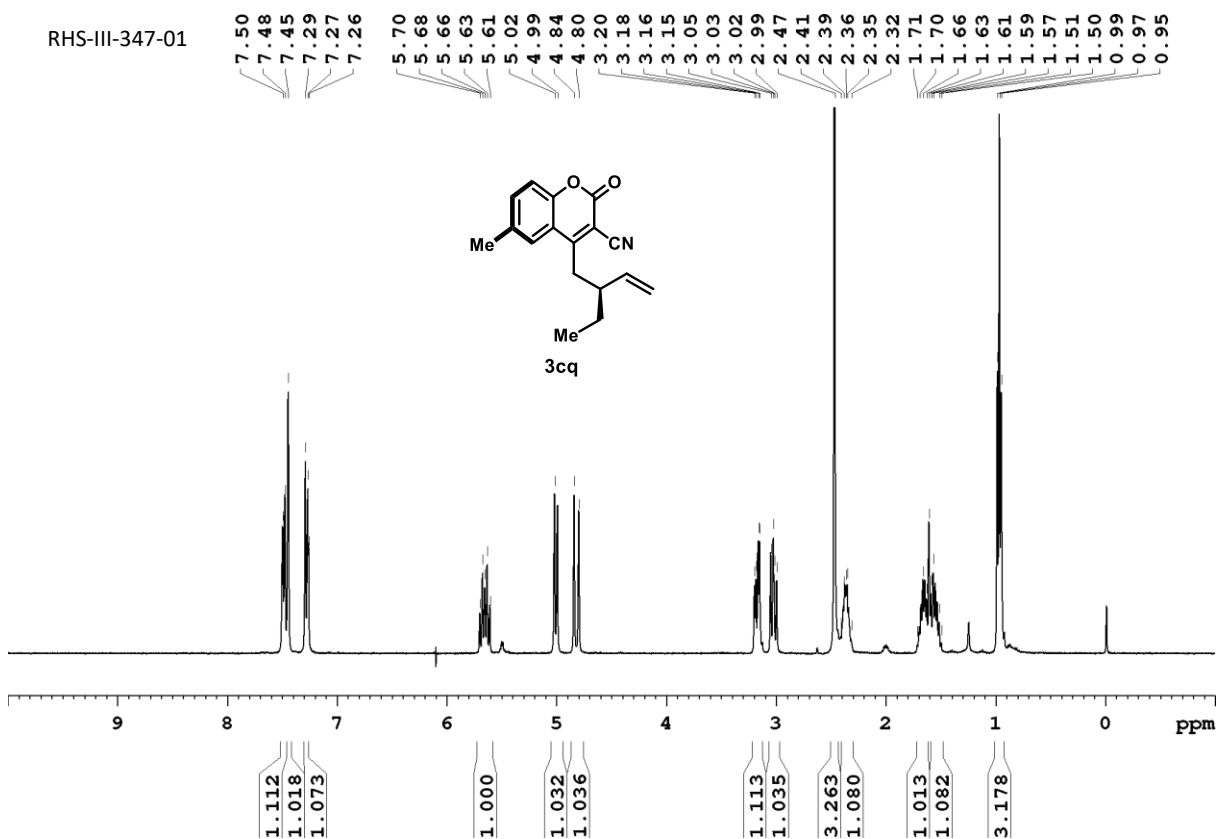
Daicel Chiralpak IF column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

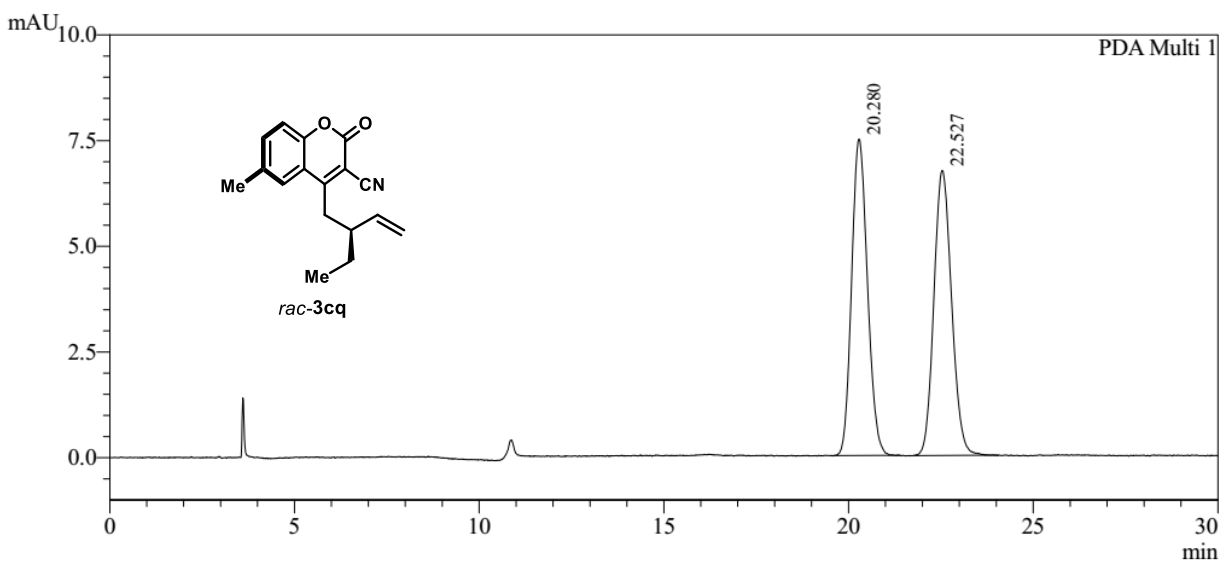


PeakTable

PDA Ch1 300nm 4nm

Peak#	Ret. Time	Area	Area %
1	20.178	10272622	98.069
2	21.695	202219	1.931
Total		10474841	100.000



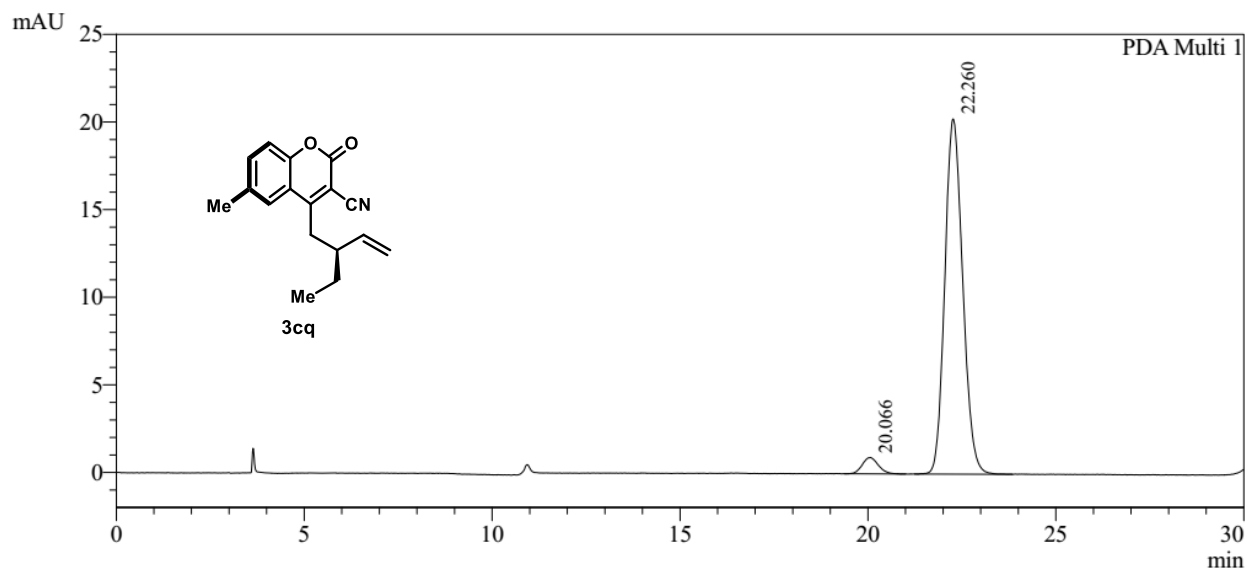


PeakTable

PDA Ch1 365nm 4nm

Peak#	Ret. Time	Area	Area %
1	20.280	223257	49.818
2	22.527	224890	50.182
Total		448147	100.000

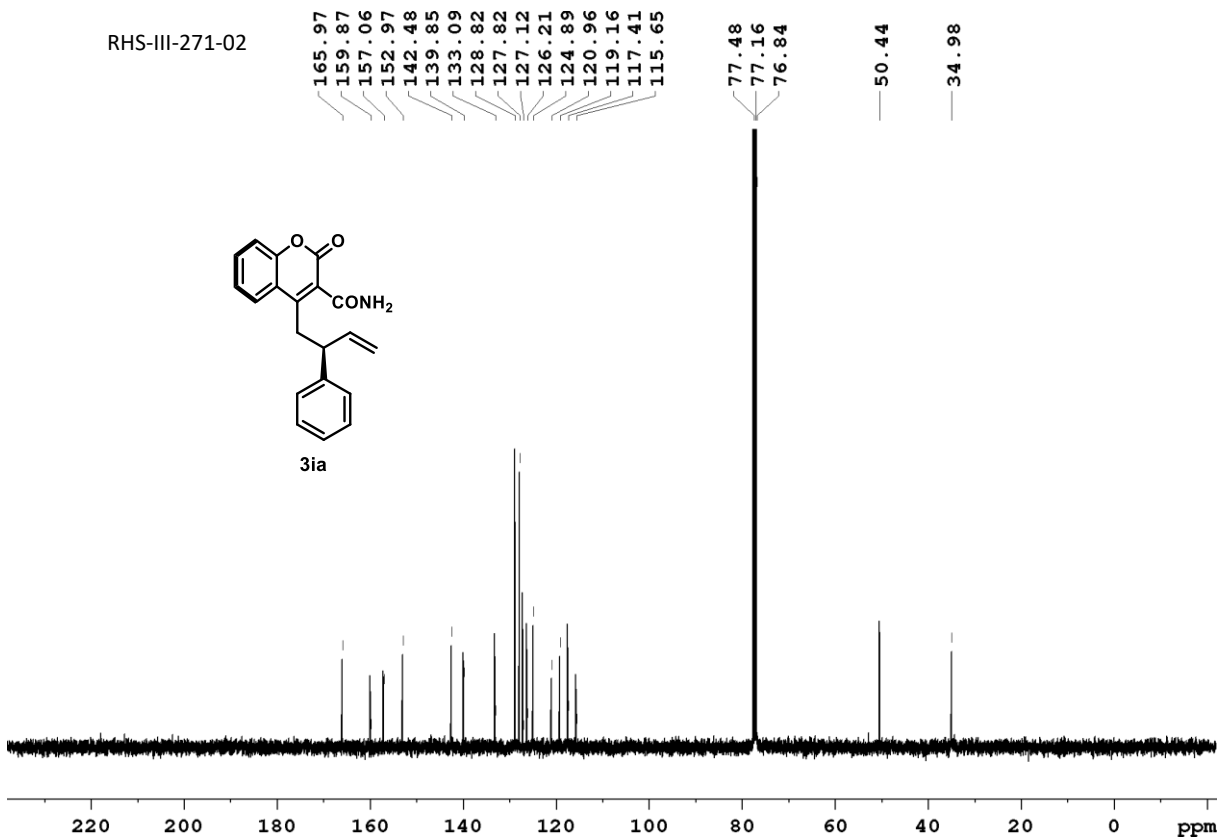
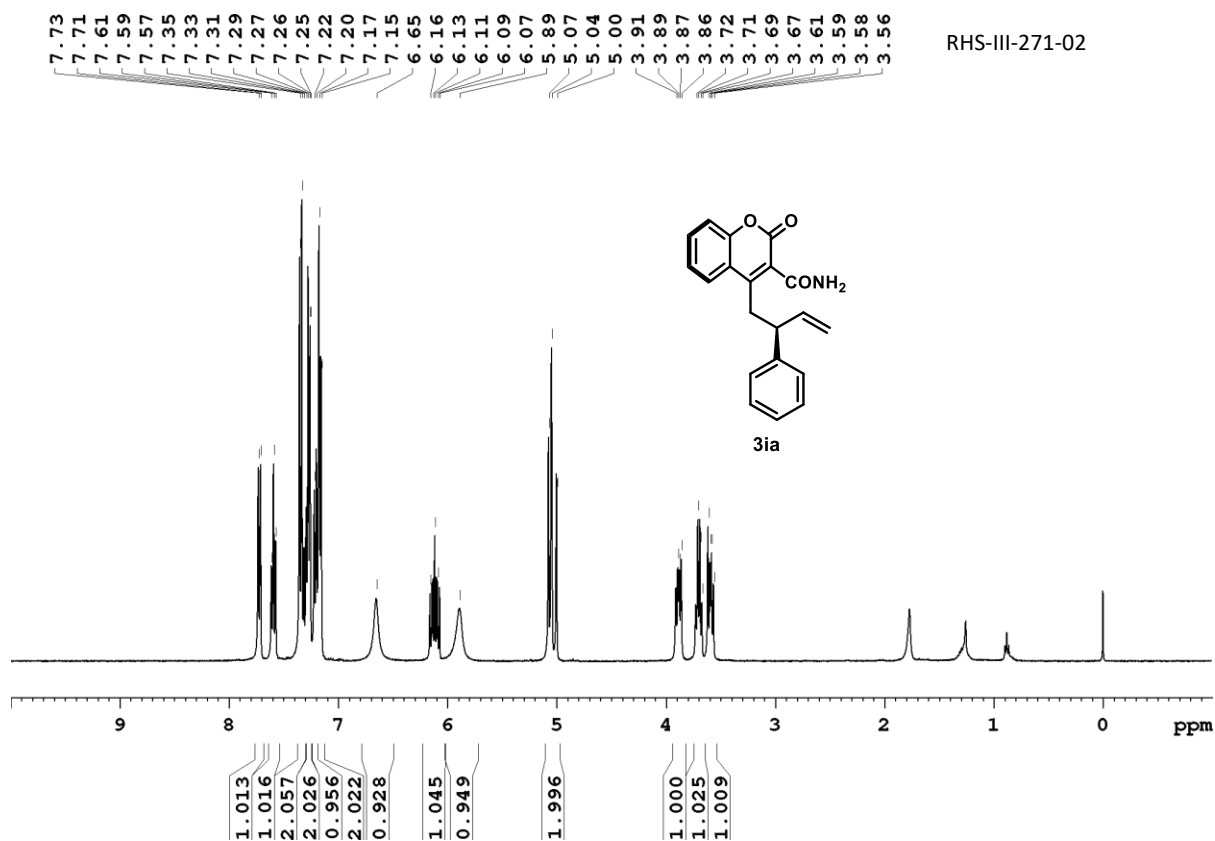
Phenomenex Cellulose-1 column (99:1 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

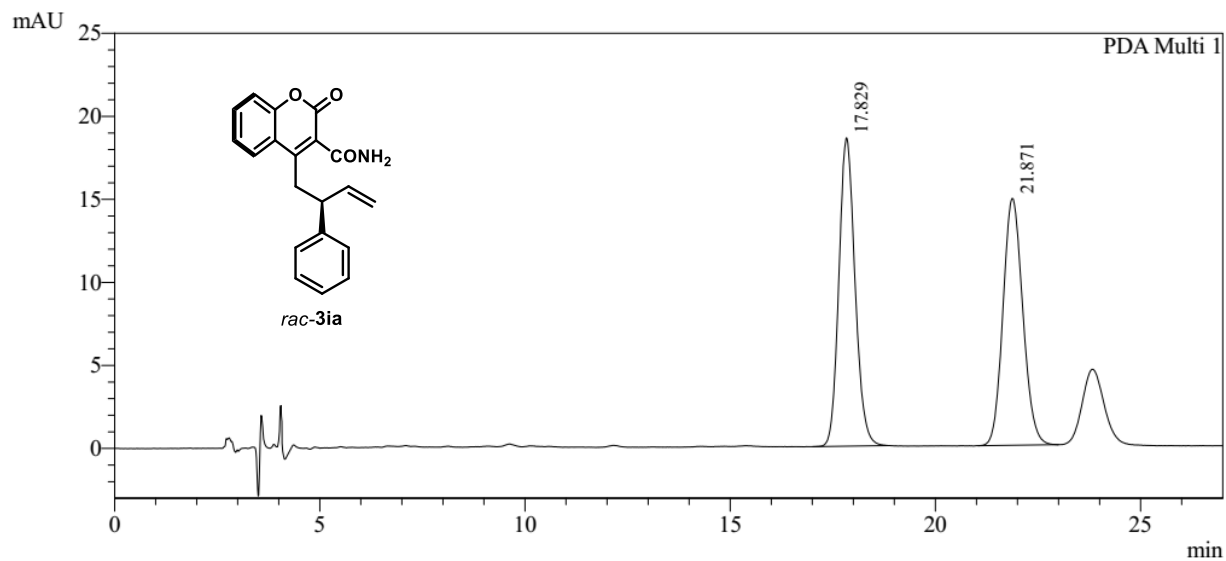


PeakTable

PDA Ch1 365nm 4nm

Peak#	Ret. Time	Area	Area %
1	20.066	27725	3.964
2	22.260	671651	96.036
Total		699376	100.000



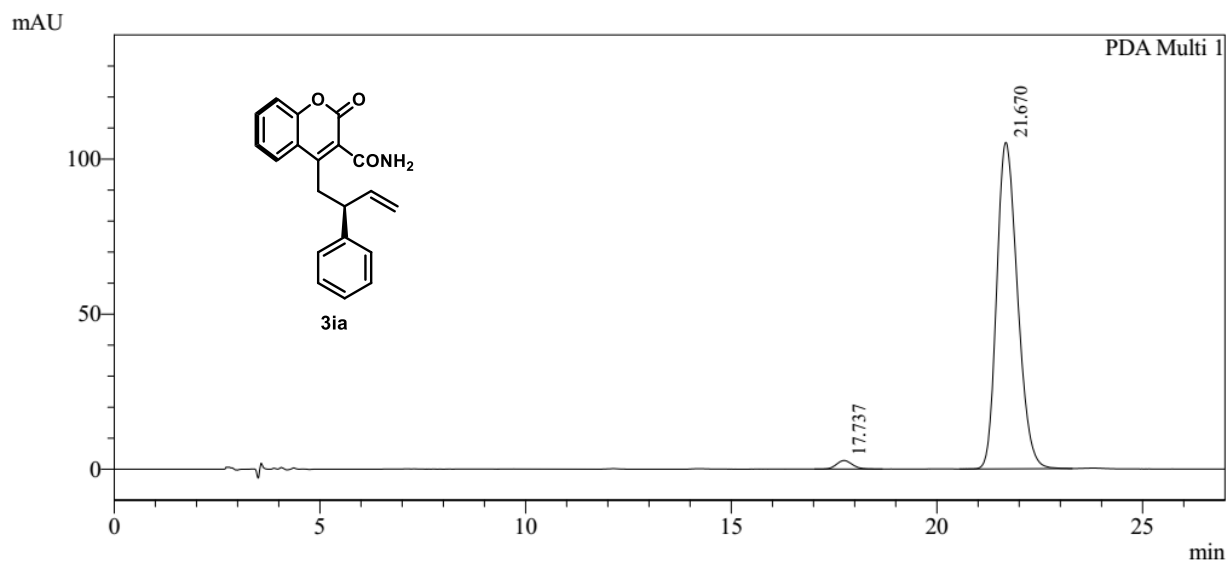


PeakTable

PDA Ch1 284nm 4nm

Peak#	Ret. Time	Area	Area %
1	17.829	508534	50.473
2	21.871	499011	49.527
Total		1007544	100.000

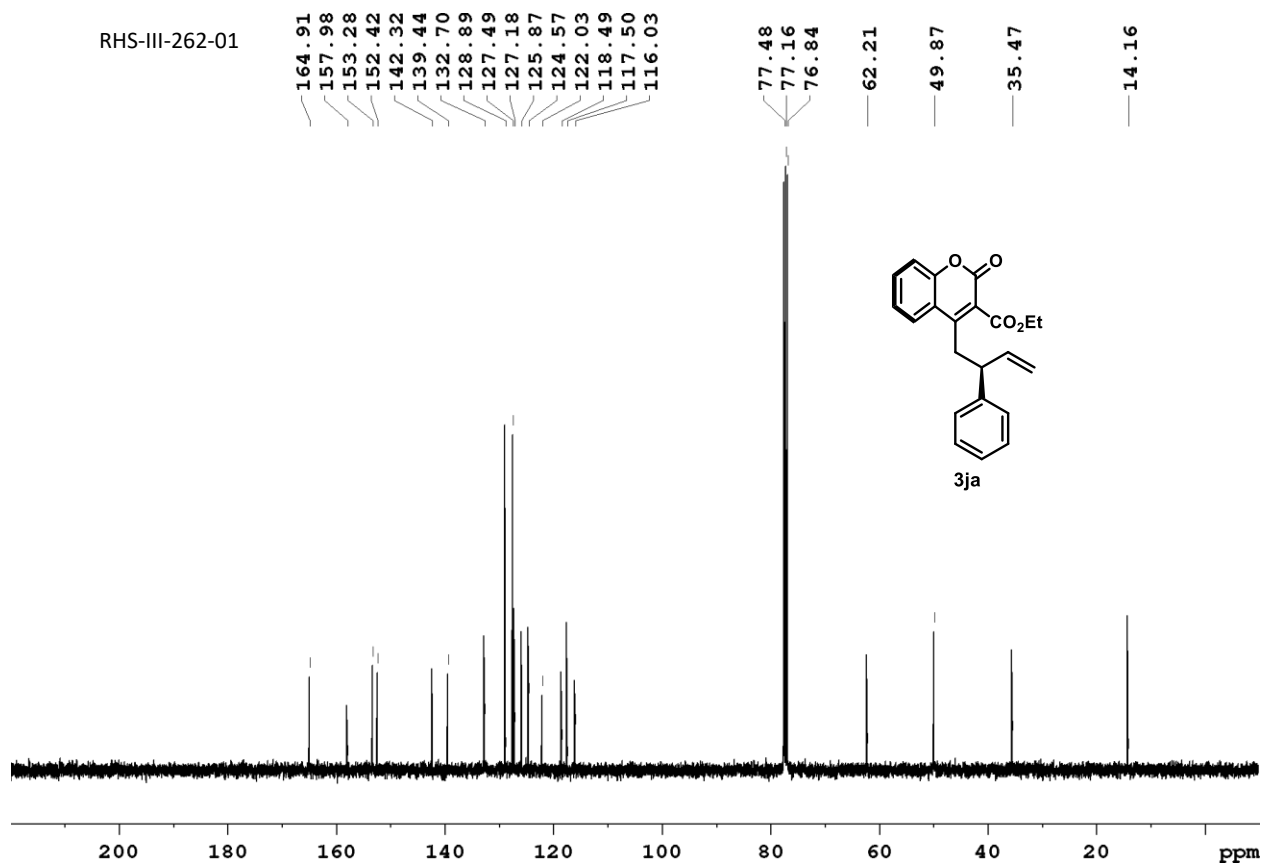
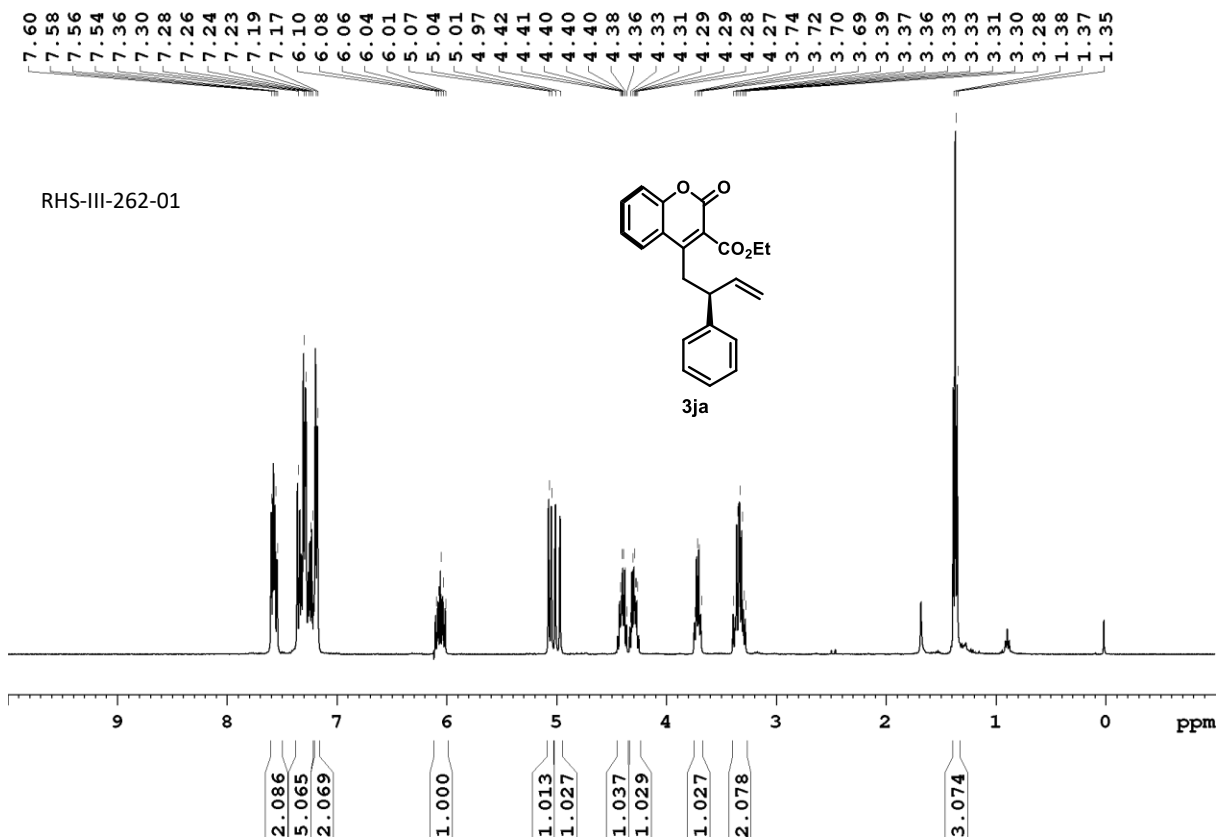
Daicel Chiralpak IA column (75:25 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

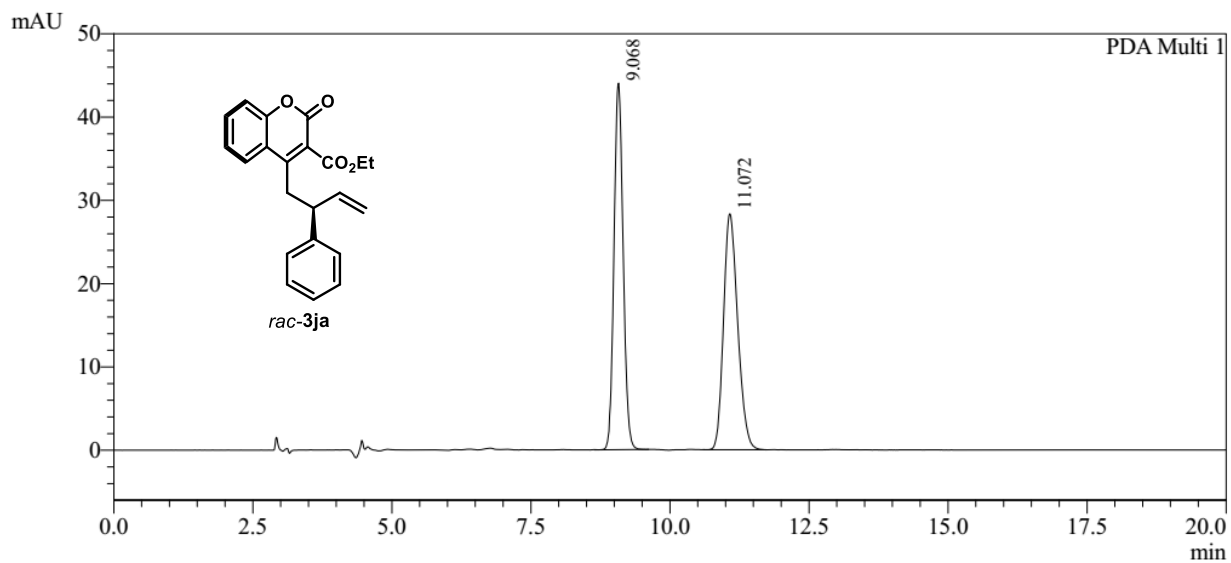


PeakTable

PDA Ch1 284nm 4nm

Peak#	Ret. Time	Area	Area %
1	17.737	72827	1.933
2	21.670	3694388	98.067
Total		3767216	100.000



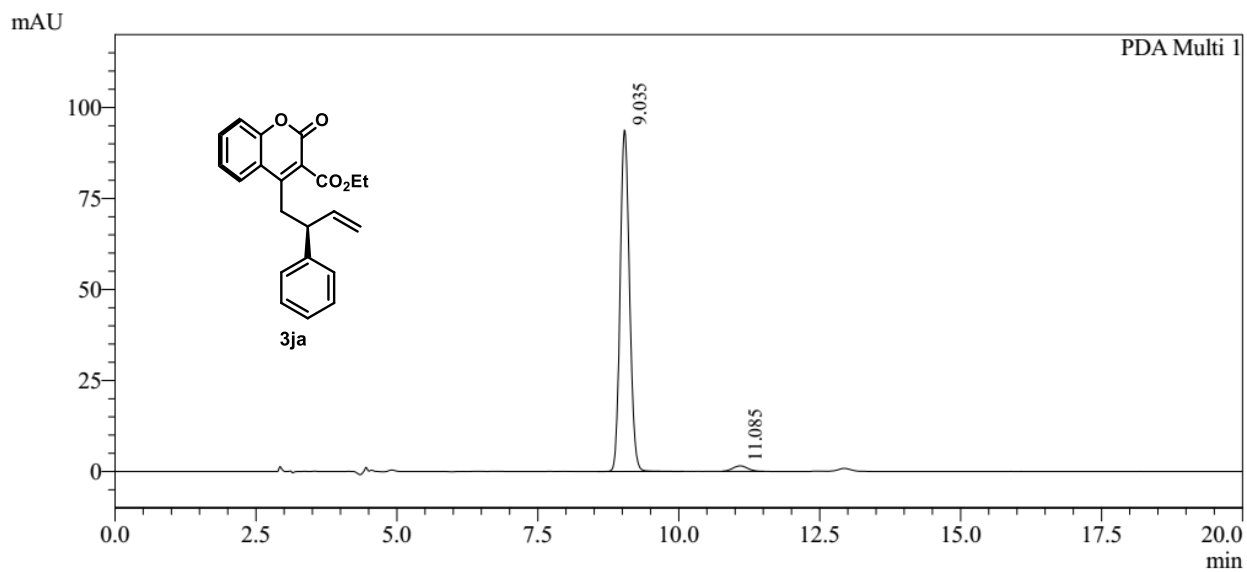


PeakTable

PDA Ch1 320nm 4nm

Peak#	Ret. Time	Area	Area %
1	9.068	503281	50.073
2	11.072	501805	49.927
Total		1005086	100.000

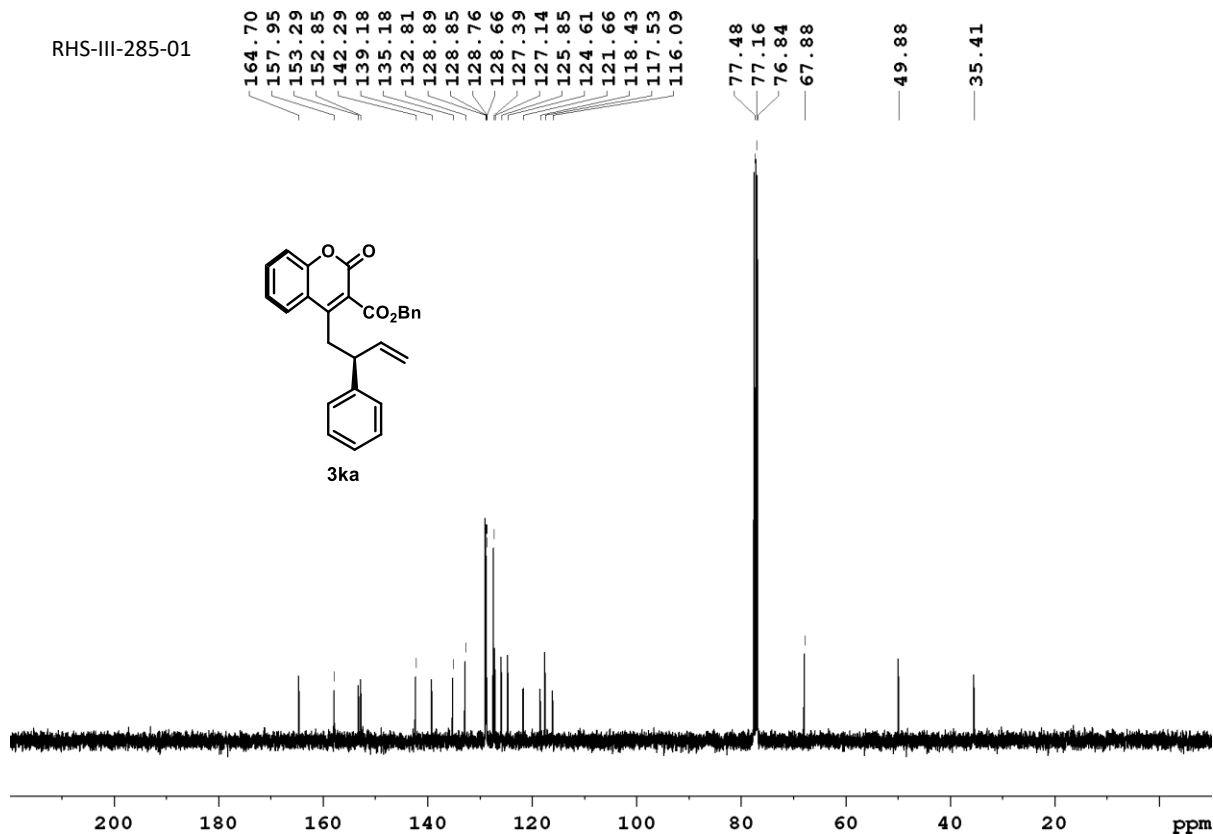
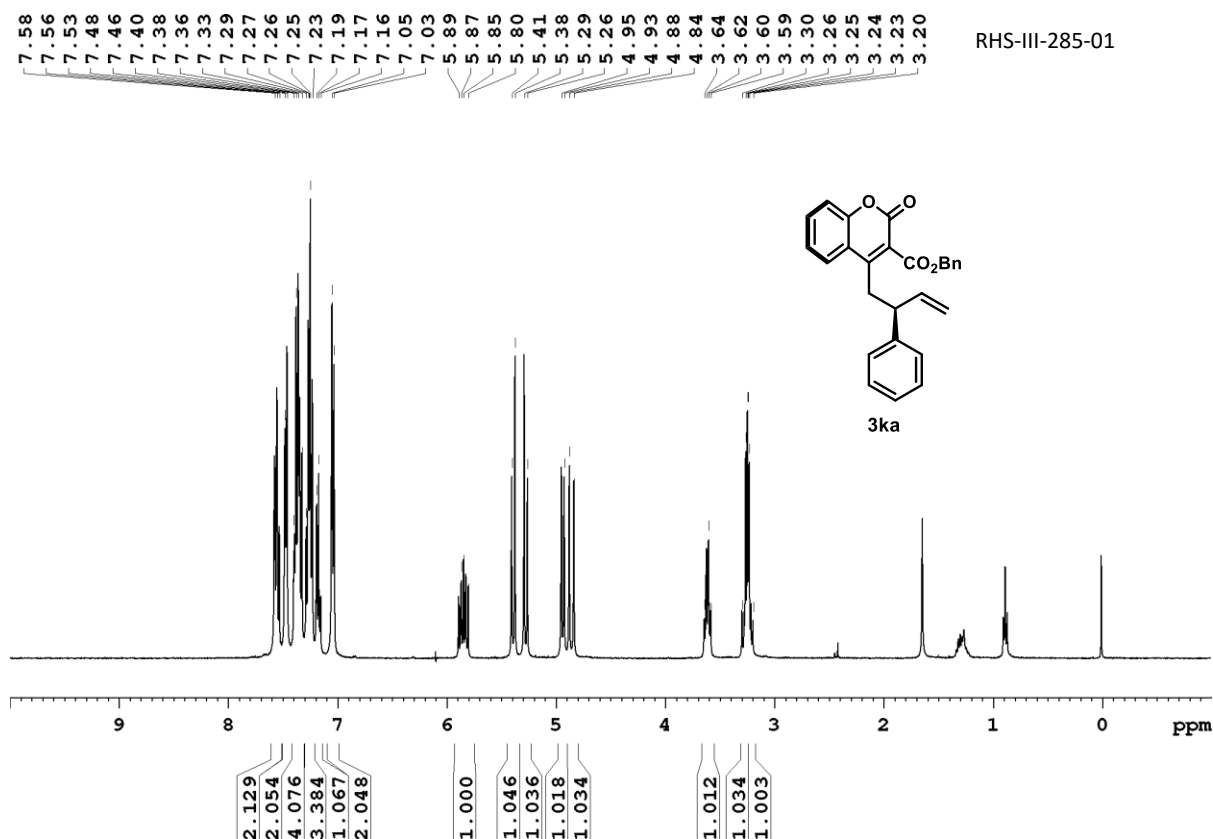
Daicel Chiralpak IA column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

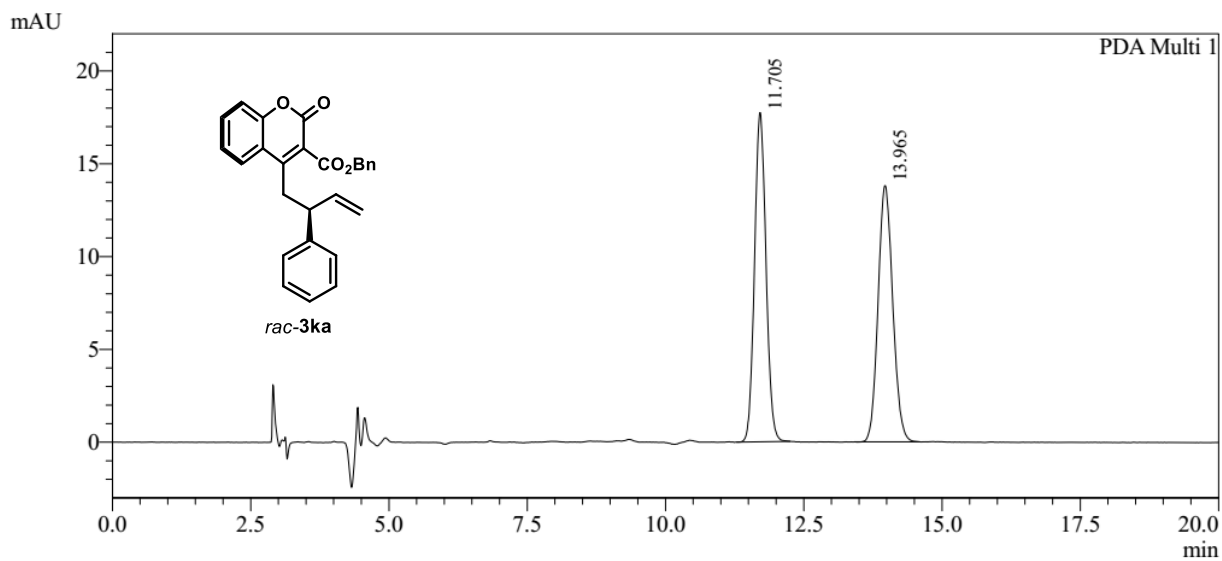


PeakTable

PDA Ch1 320nm 4nm

Peak#	Ret. Time	Area	Area %
1	9.035	1082419	97.498
2	11.085	27779	2.502
Total		1110198	100.000



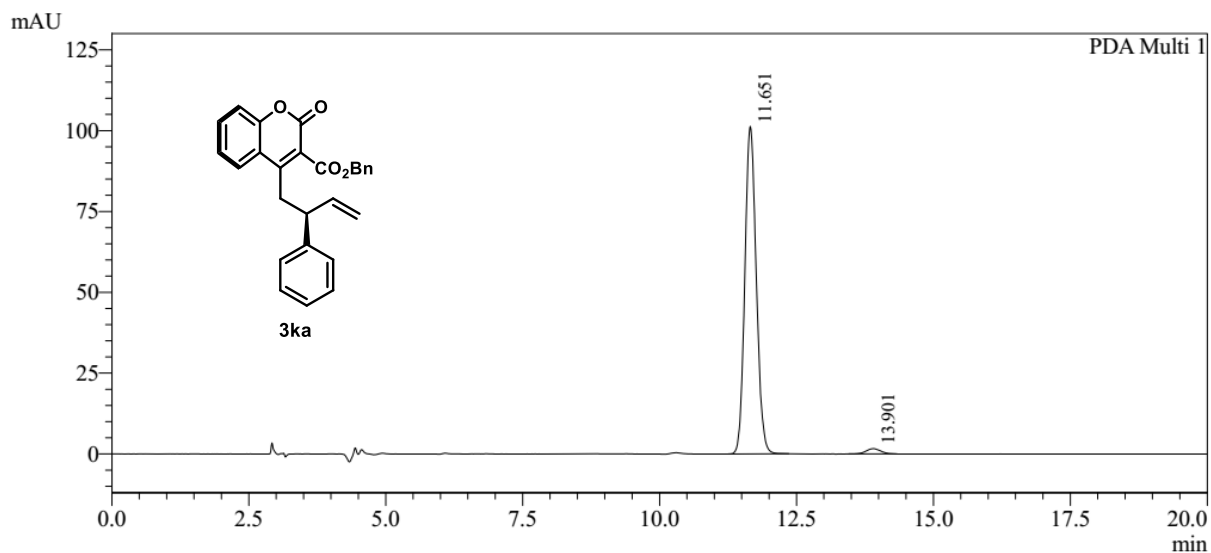


PeakTable

PDA Ch1 306nm 4nm

Peak#	Ret. Time	Area	Area %
1	11.705	255822	50.103
2	13.965	254773	49.897
Total		510595	100.000

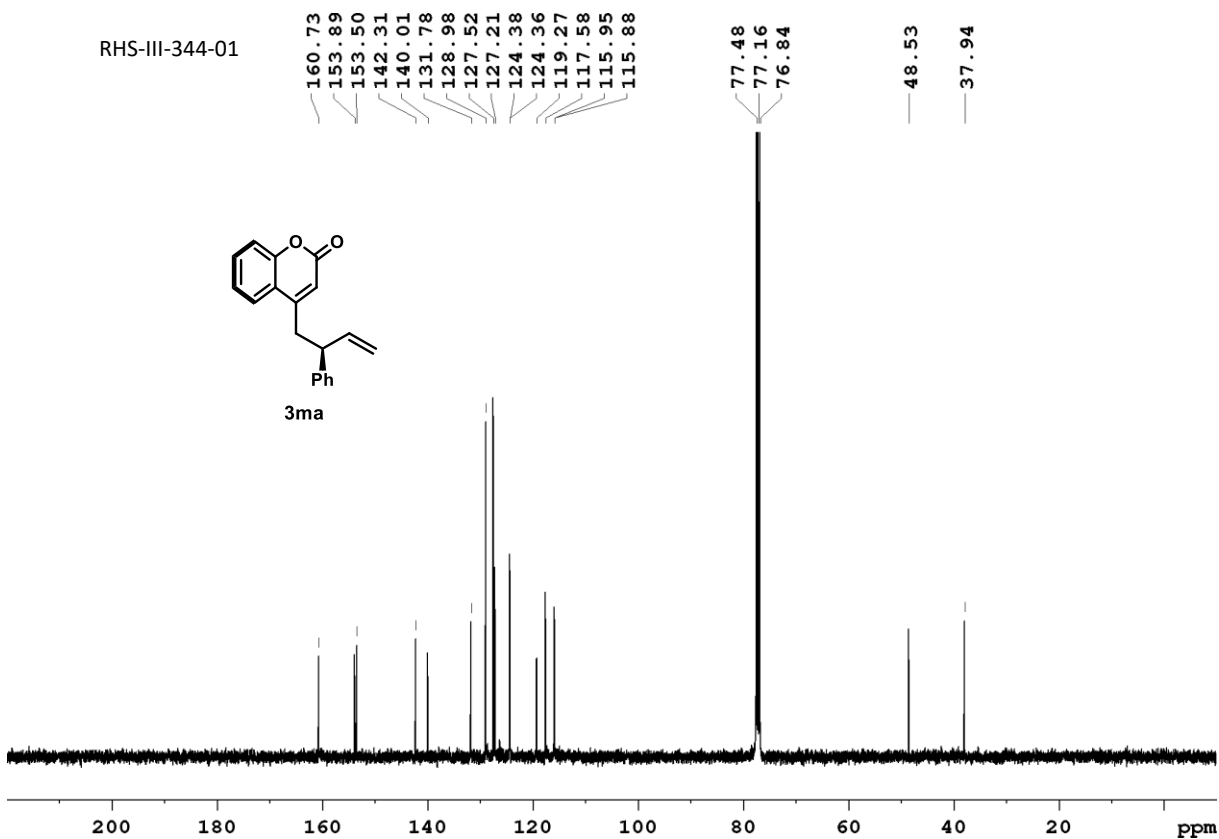
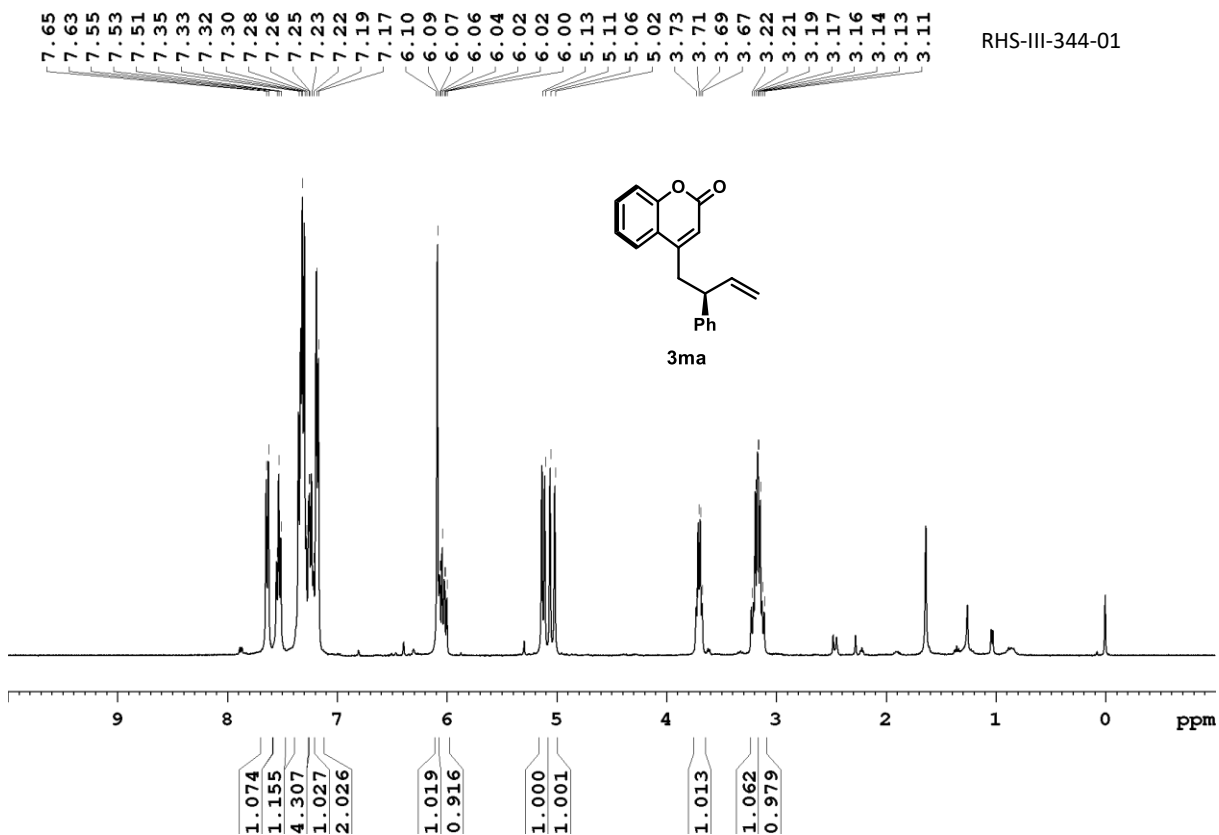
Daicel Chiralpak IA column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

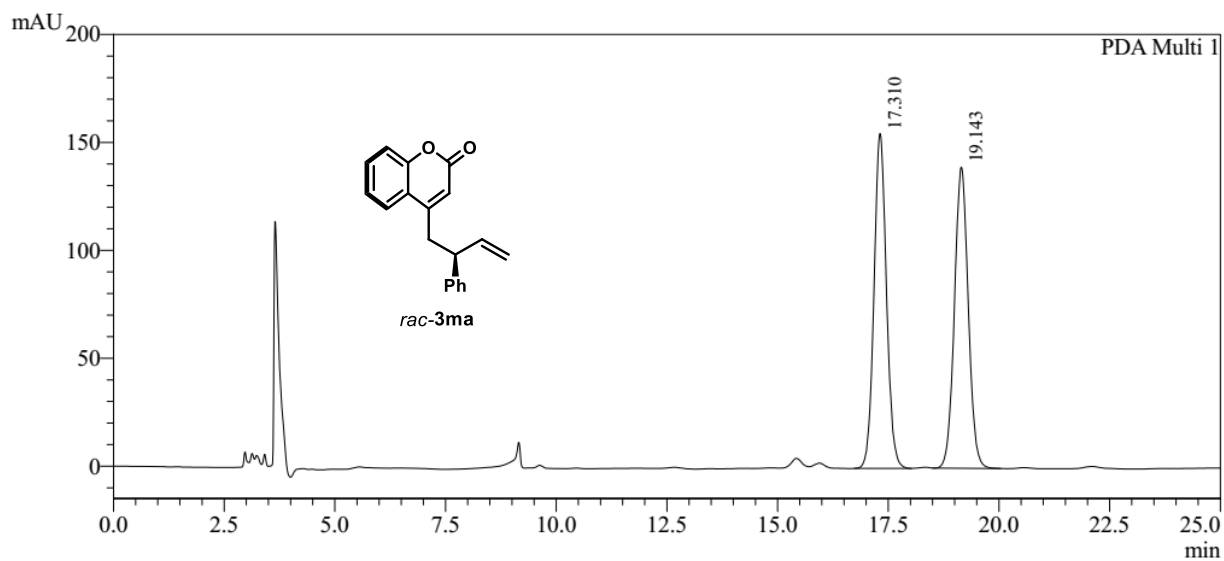


PeakTable

PDA Ch1 306nm 4nm

Peak#	Ret. Time	Area	Area %
1	11.651	1464497	97.984
2	13.901	30125	2.016
Total		1494622	100.000



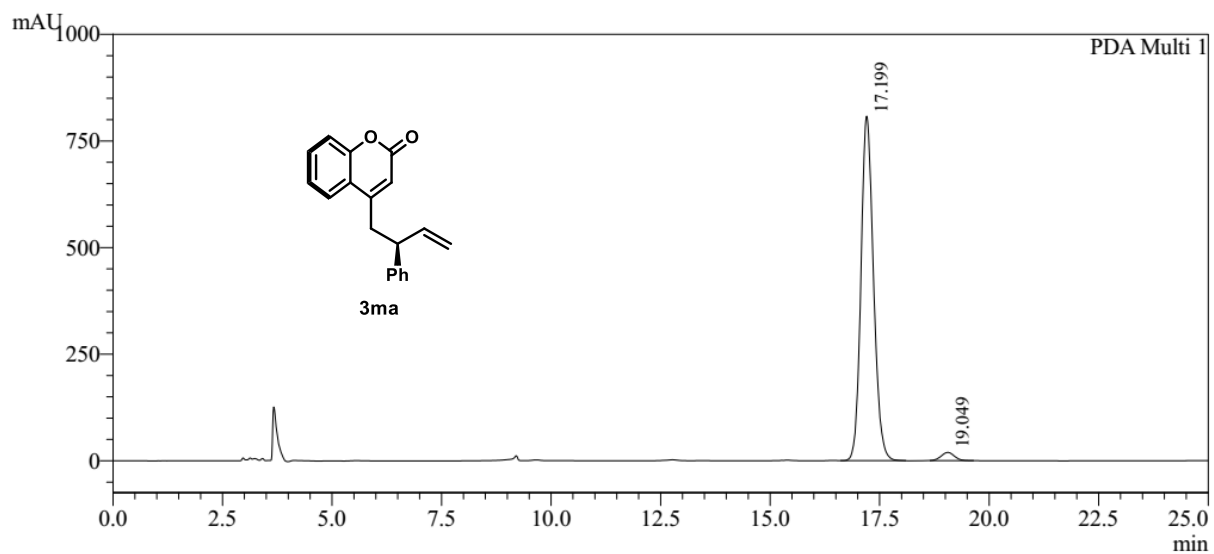


PeakTable

PDA Ch1 208nm 4nm

Peak#	Ret. Time	Area	Area %
1	17.310	3038443	50.179
2	19.143	3016775	49.821
Total		6055218	100.000

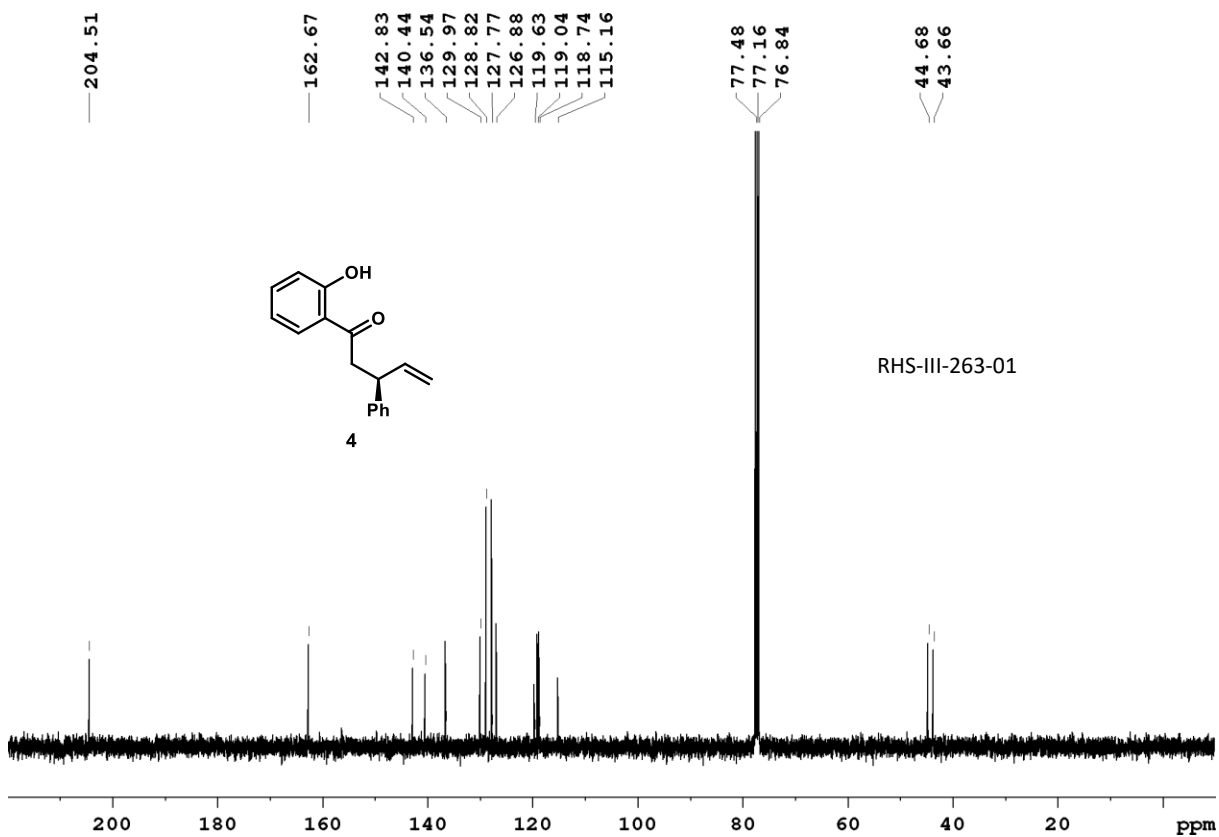
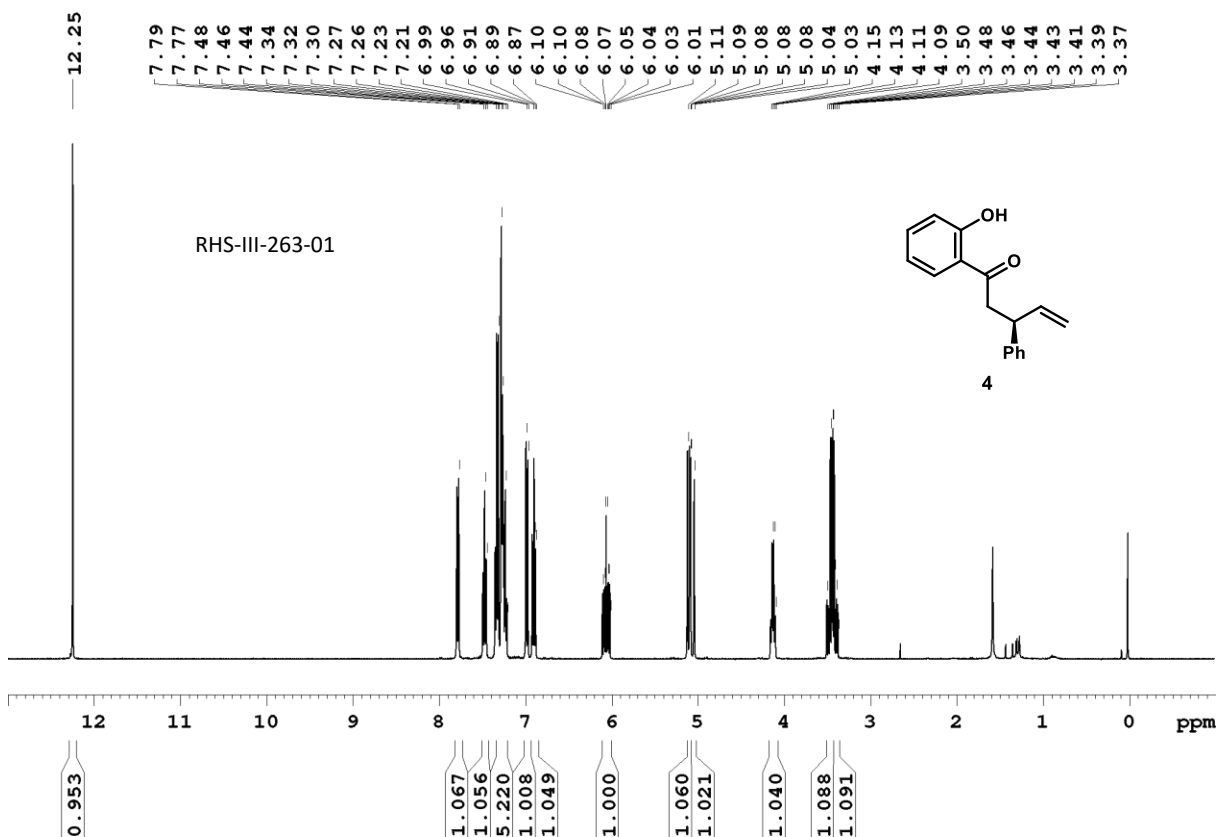
Daicel Chiralpak IB column (99:1 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

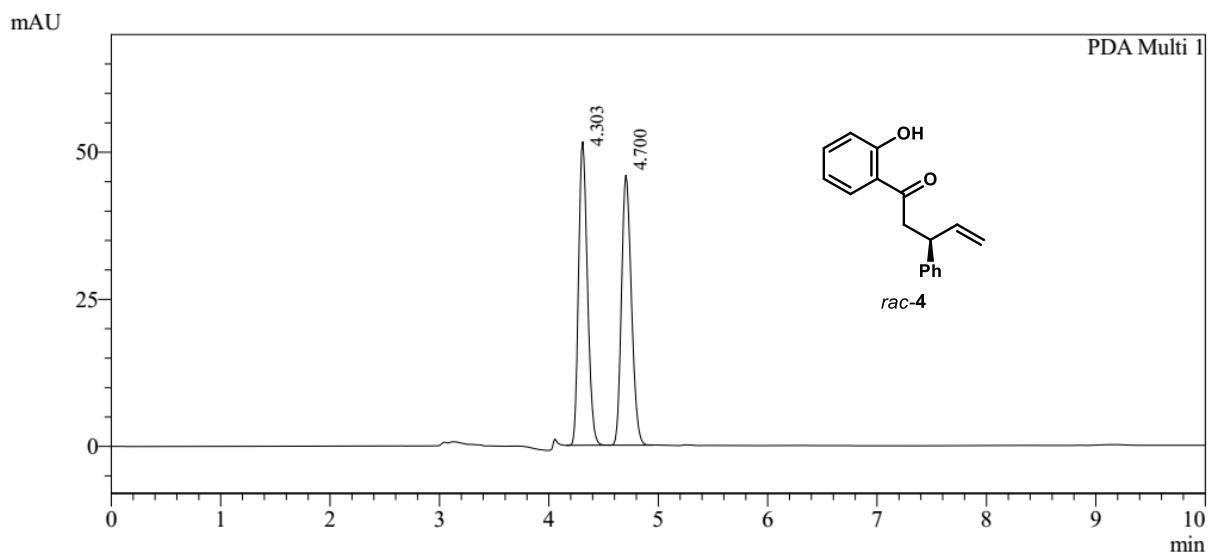


PeakTable

PDA Ch1 208nm 4nm

Peak#	Ret. Time	Area	Area %
1	17.199	16154241	97.591
2	19.049	398844	2.409
Total		16553085	100.000



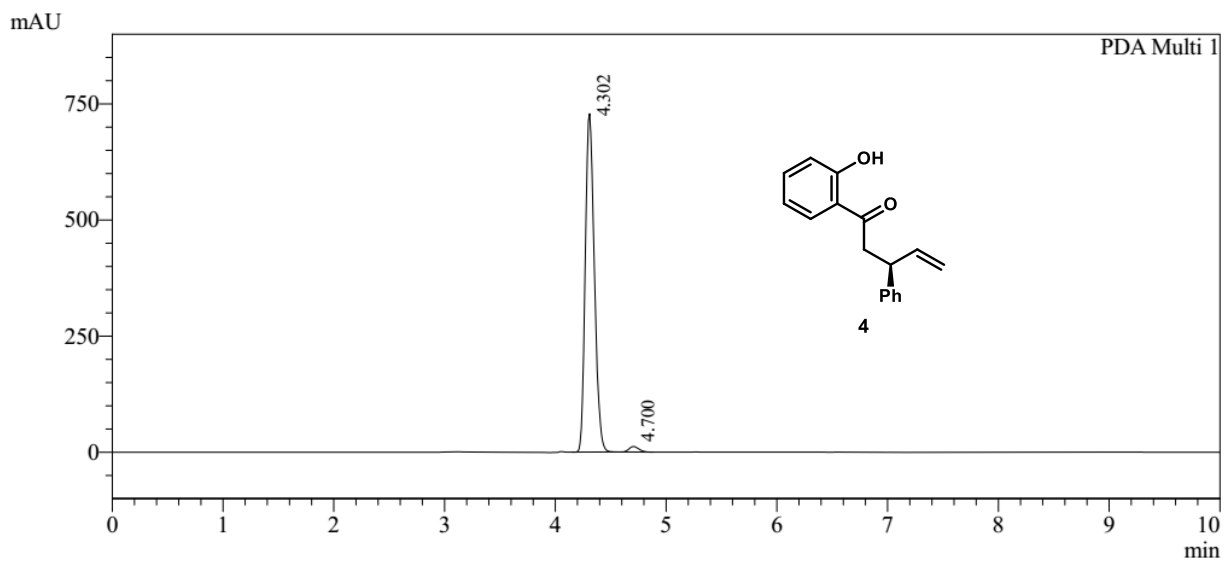


PeakTable

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Area %
1	4.303	290250	50.058
2	4.700	289577	49.942
Total		579827	100.000

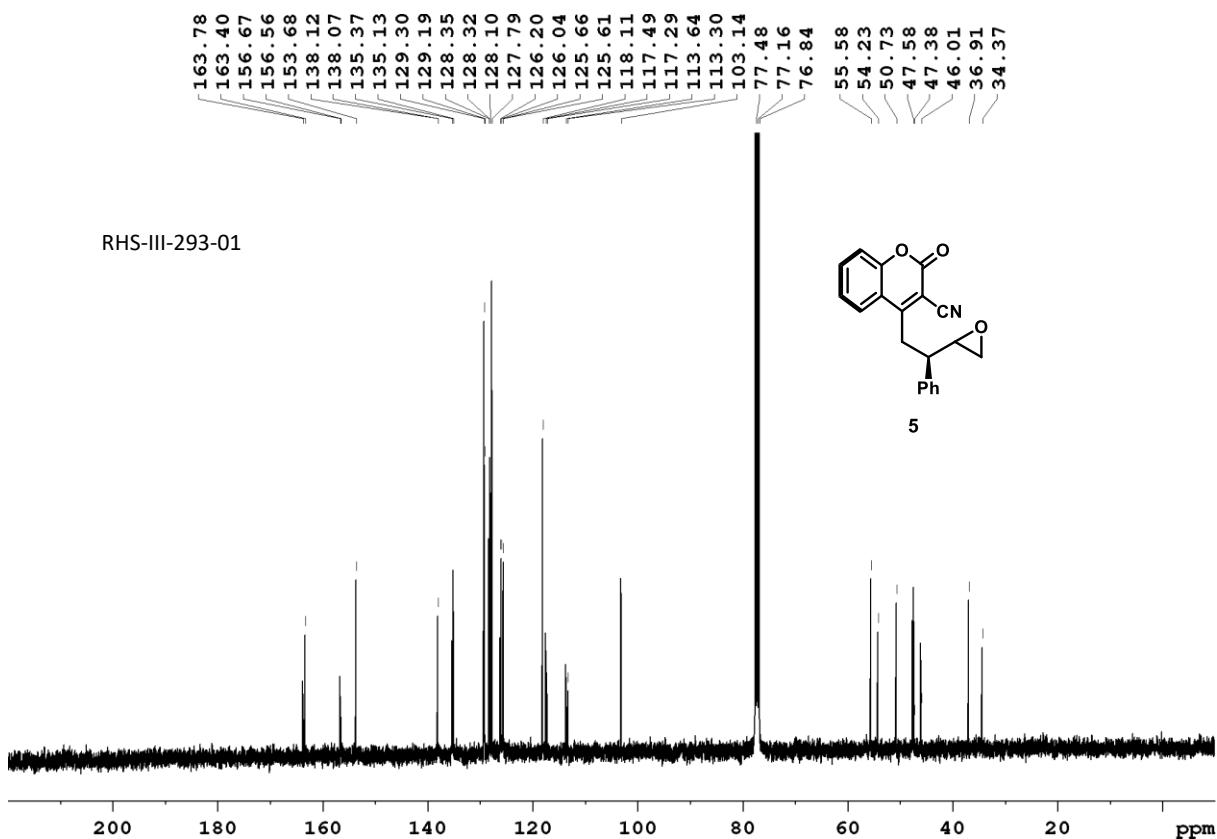
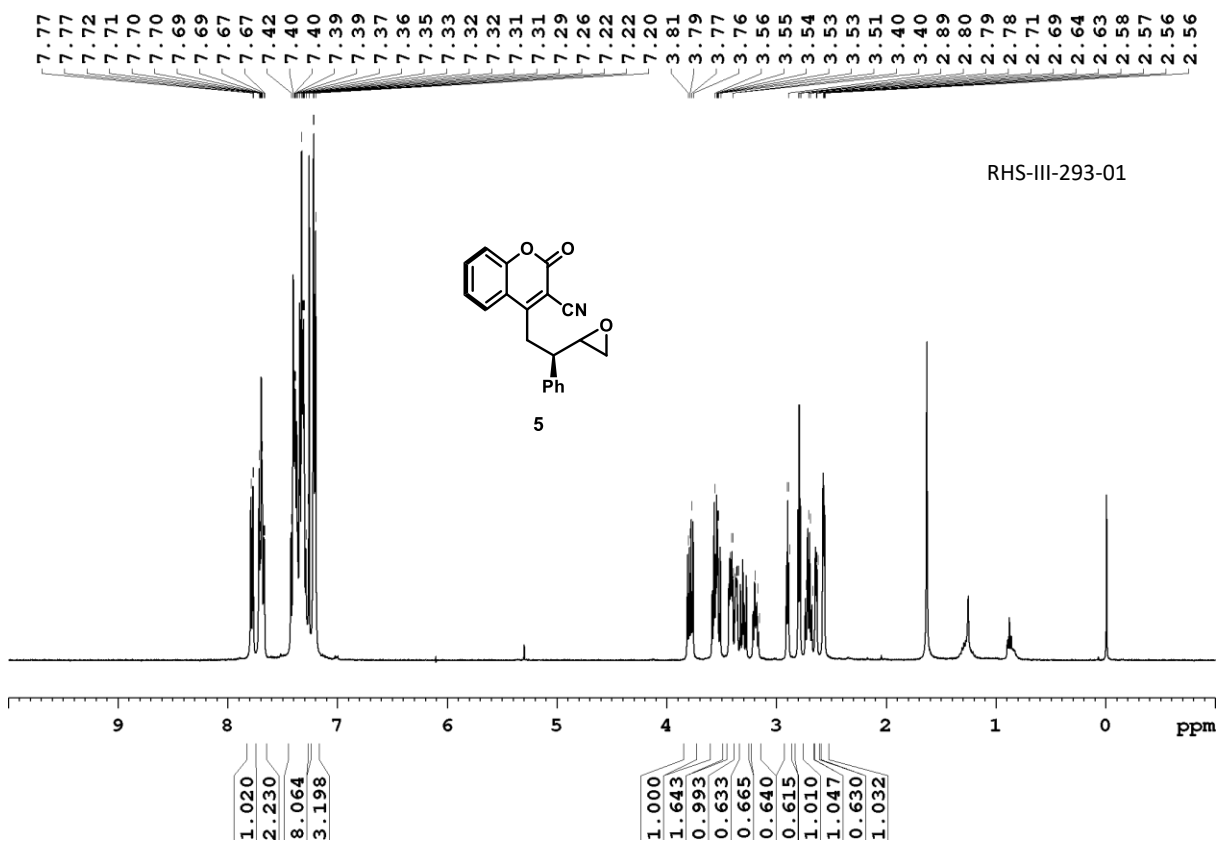
Daicel Chiralpak AS-H column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

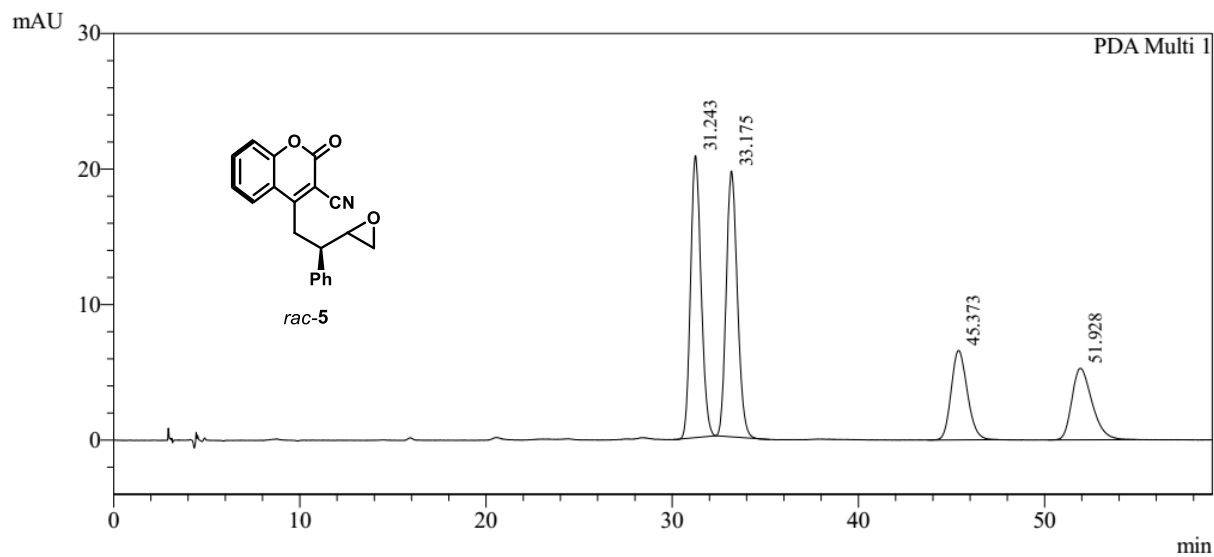


PeakTable

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Area %
1	4.302	4148691	98.230
2	4.700	74769	1.770
Total		4223461	100.000



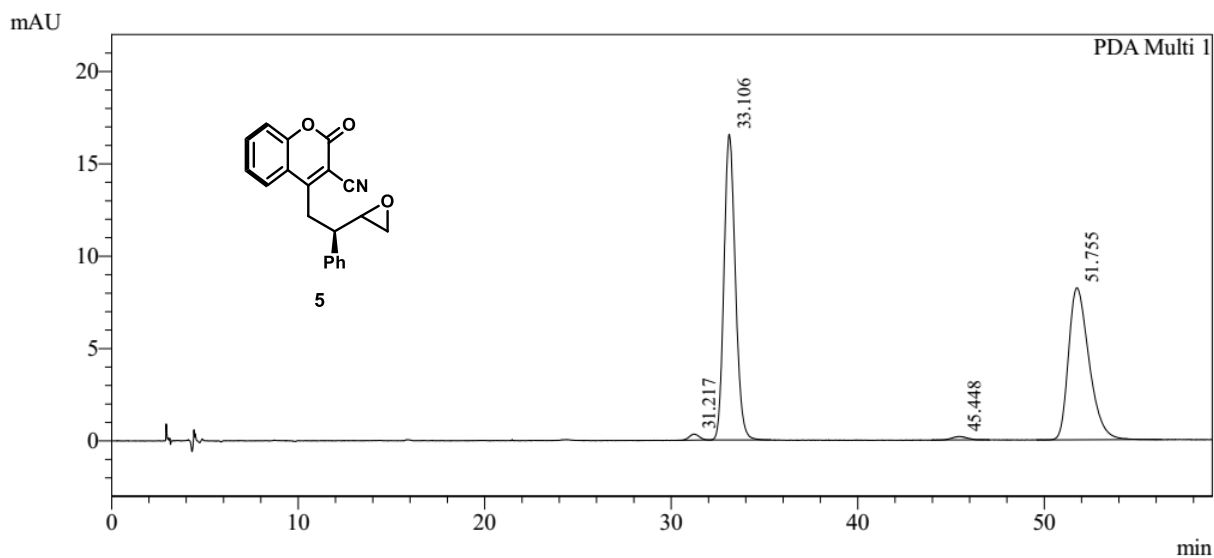


PeakTable

PDA Ch1 320nm 4nm

Peak#	Ret. Time	Area	Area %
1	31.243	817008	33.600
2	33.175	817765	33.631
3	45.373	397535	16.349
4	51.928	399293	16.421
Total		2431602	100.000

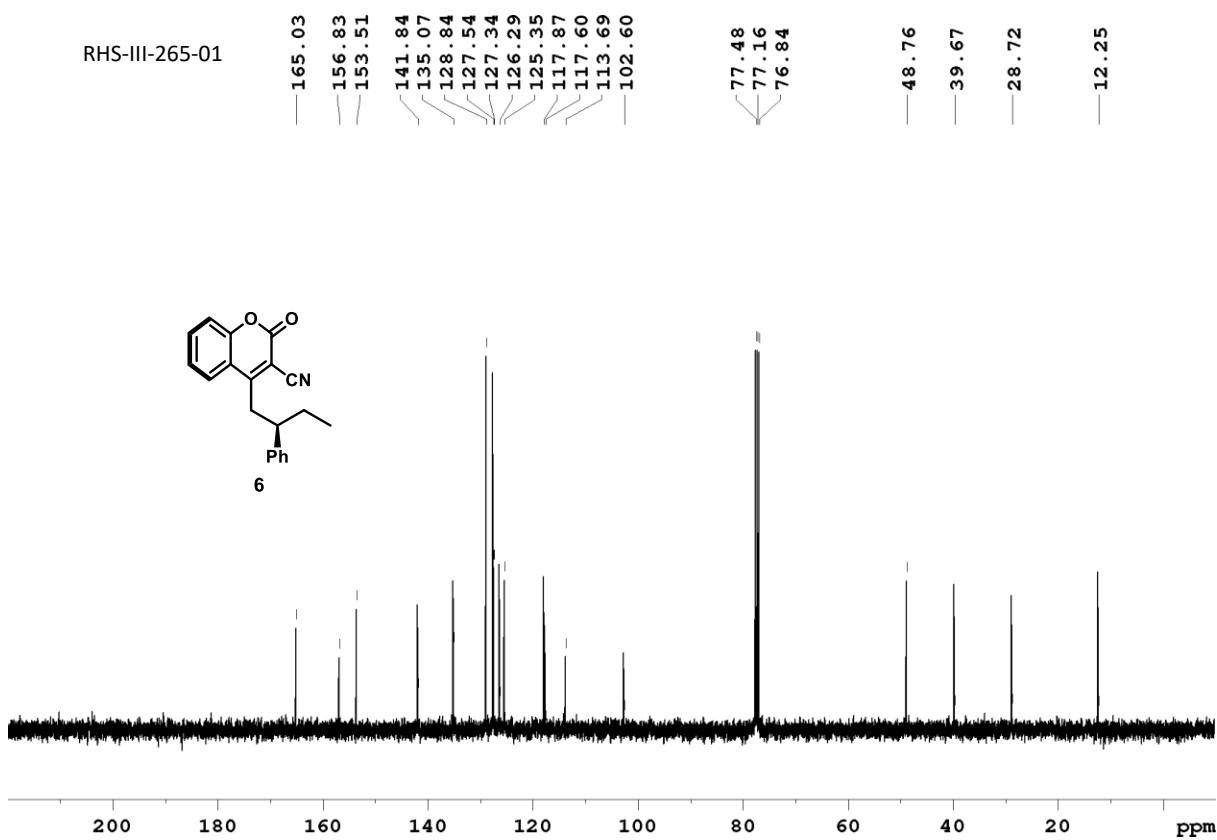
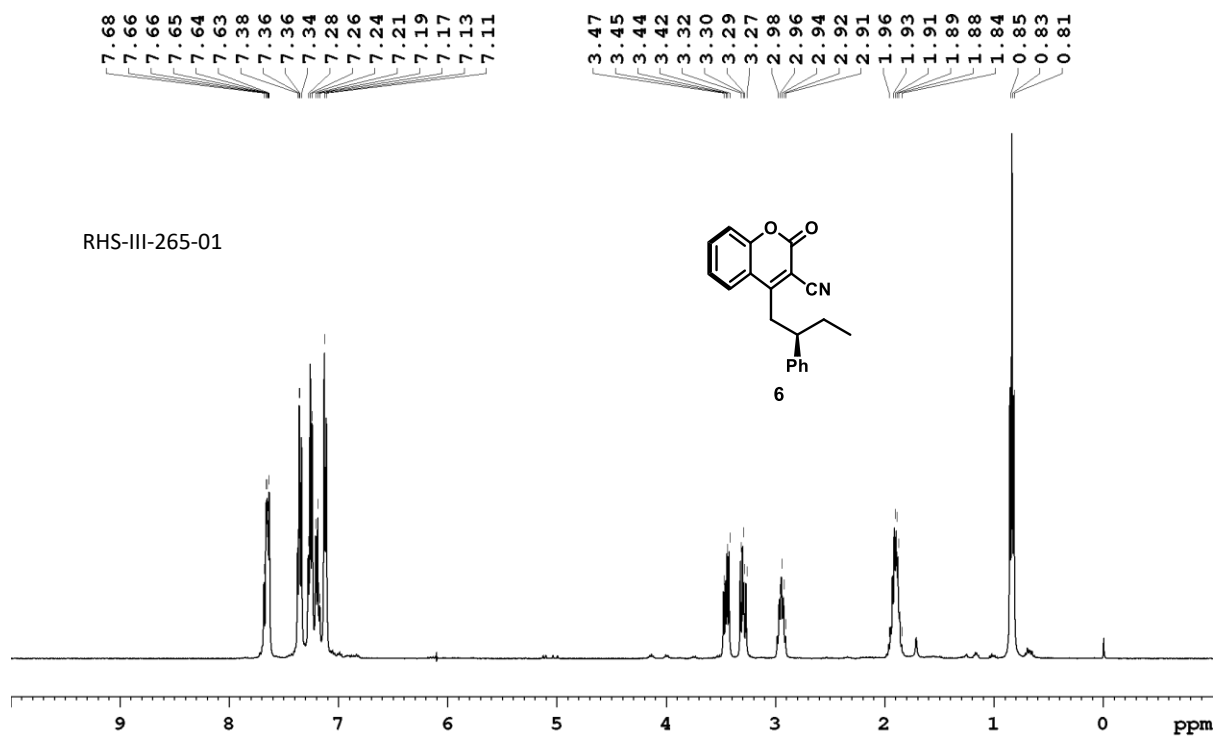
Daicel Chiralpak IA column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

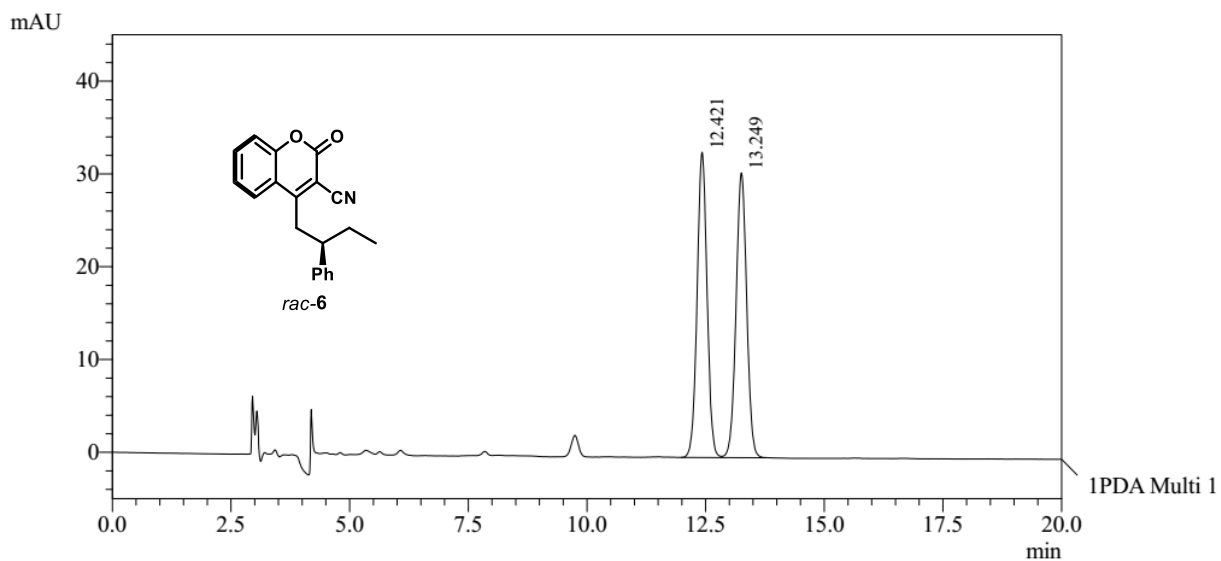


PeakTable

PDA Ch1 320nm 4nm

Peak#	Ret. Time	Area	Area %
1	31.217	11855	0.876
2	33.106	701523	51.845
3	45.448	9957	0.736
4	51.755	629785	46.543
Total		1353121	100.000





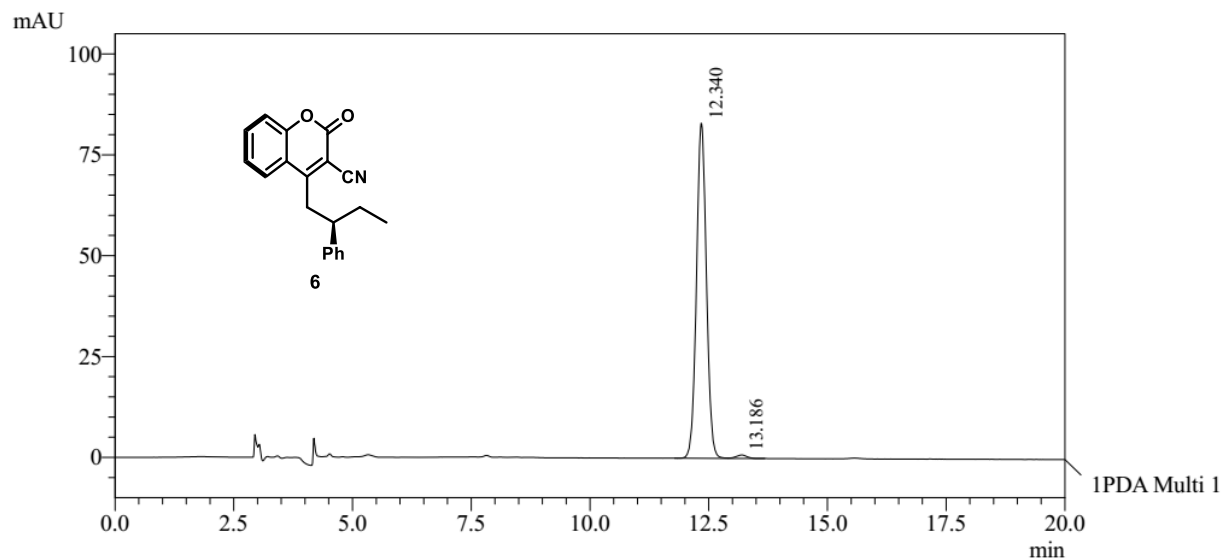
1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Area %
1	12.421	477816	49.969
2	13.249	478417	50.031
Total		956233	100.000

Daicel Chiralpak IB column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)

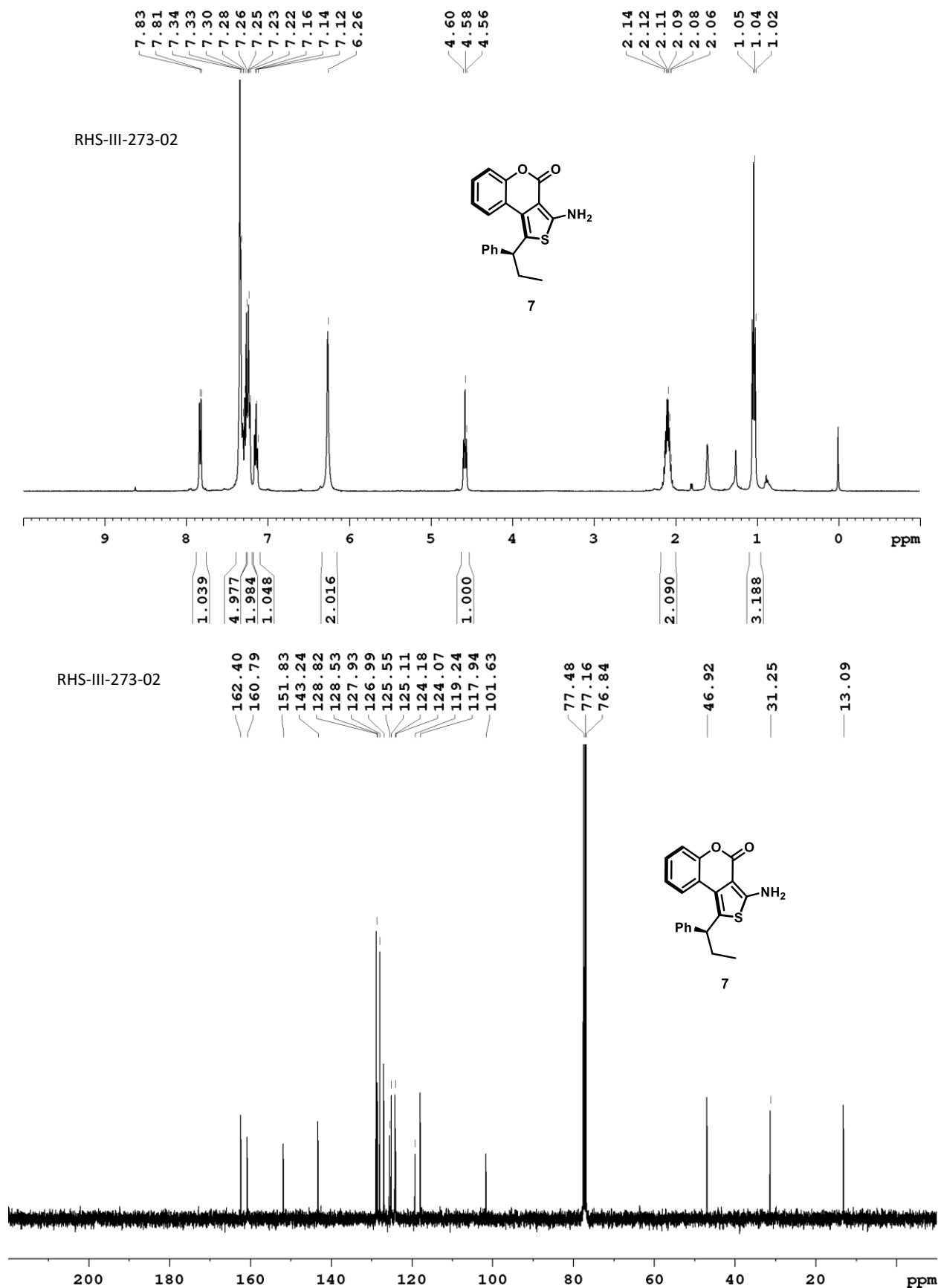


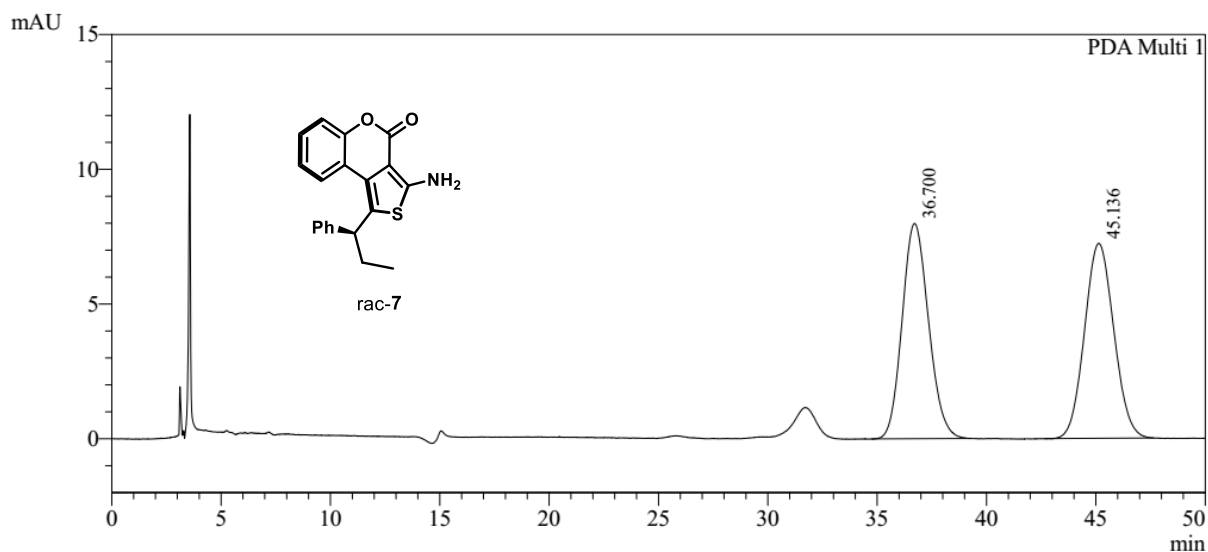
1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Area %
1	12.340	1205819	98.888
2	13.186	13562	1.112
Total		1219381	100.000



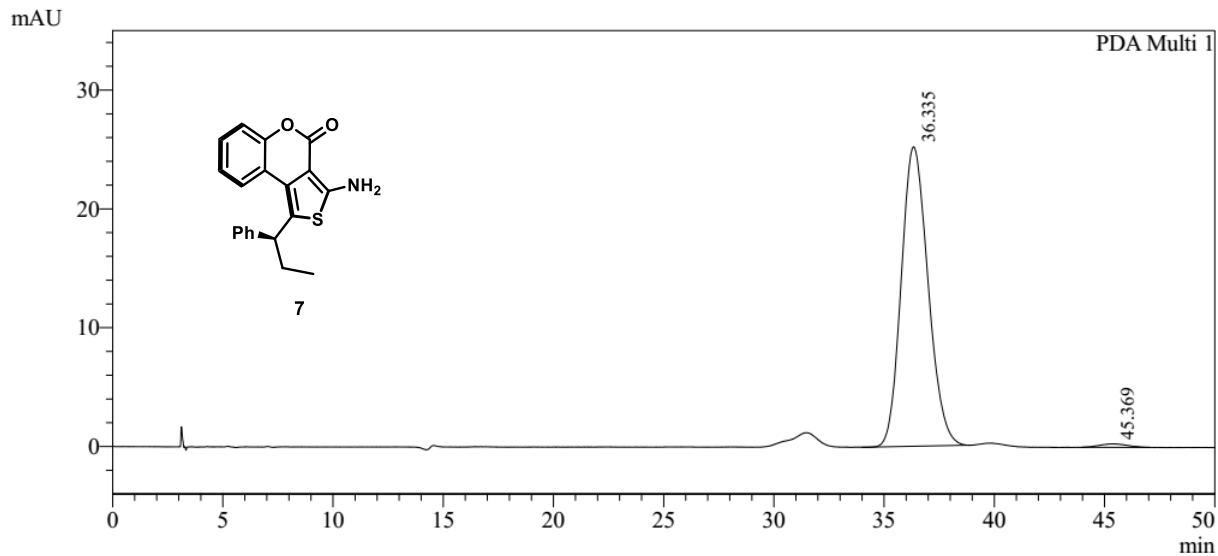


PeakTable

PDA Ch1 315nm 4nm

Peak#	Ret. Time	Area	Area %
1	36.700	671364	49.916
2	45.136	673625	50.084
Total		1344989	100.000

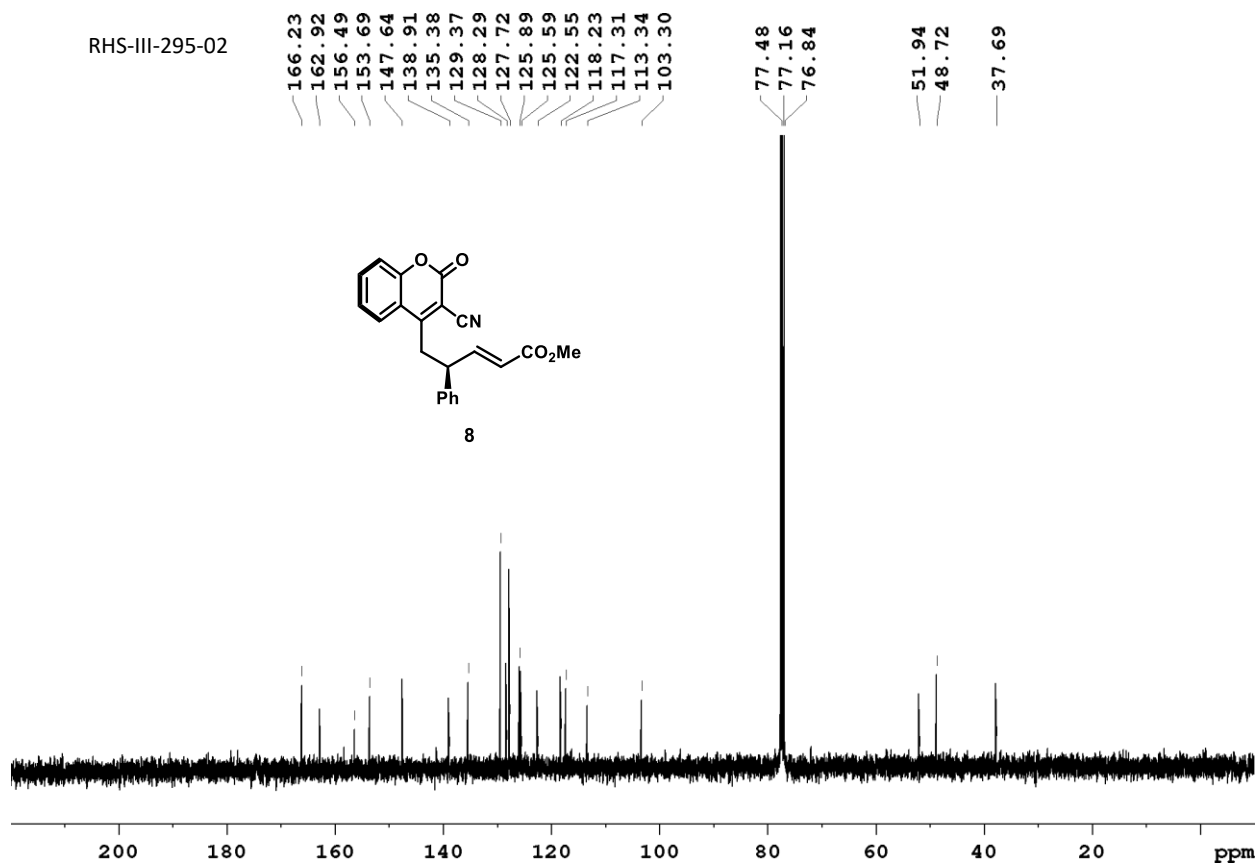
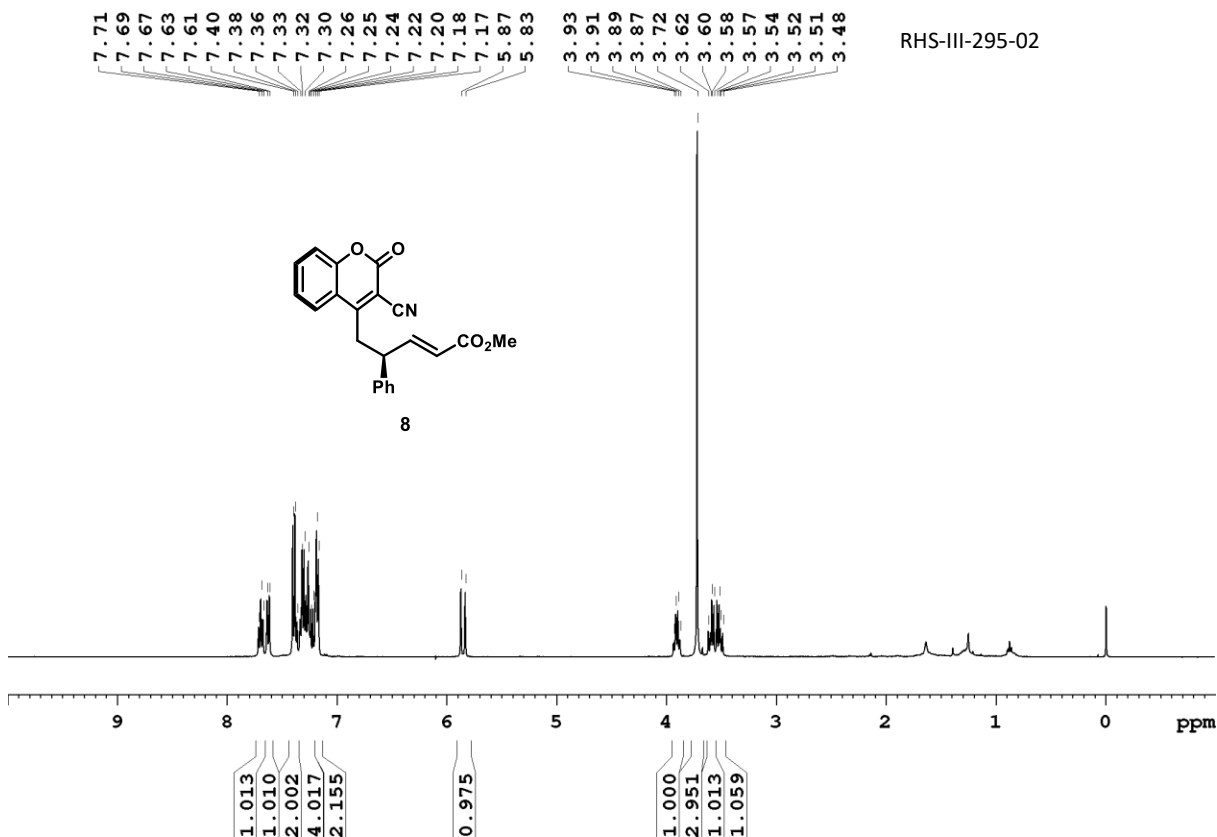
Daicel Chiralpak AS-H column (95:5 *n*-Hexane/*i*-PrOH, 1.0 mL/min, 20 °C)

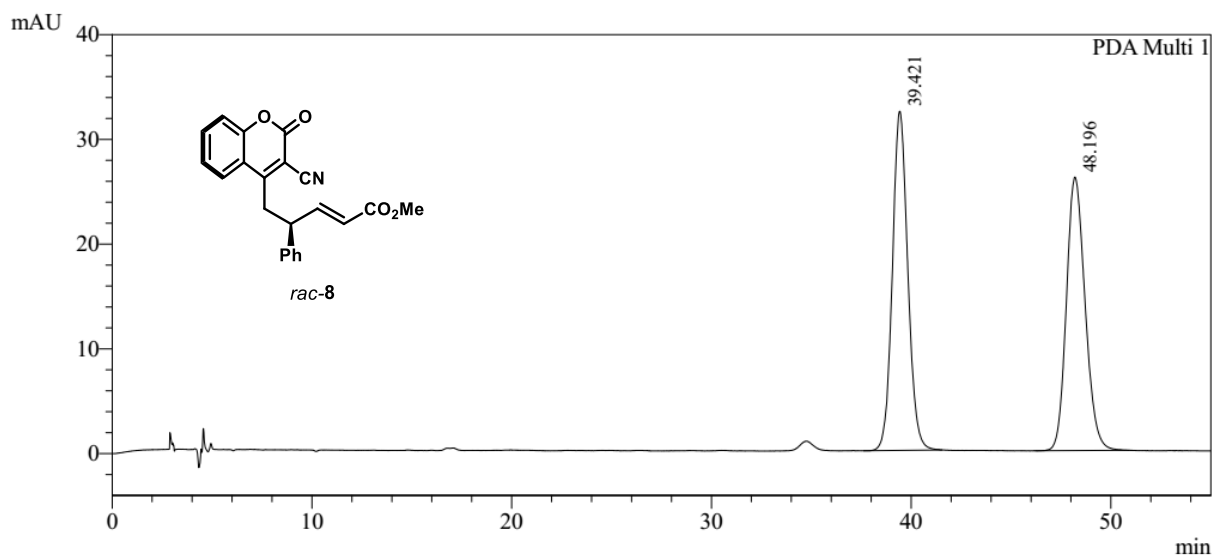


PeakTable

PDA Ch1 315nm 4nm

Peak#	Ret. Time	Area	Area %
1	36.335	2132036	98.808
2	45.369	25725	1.192
Total		2157761	100.000



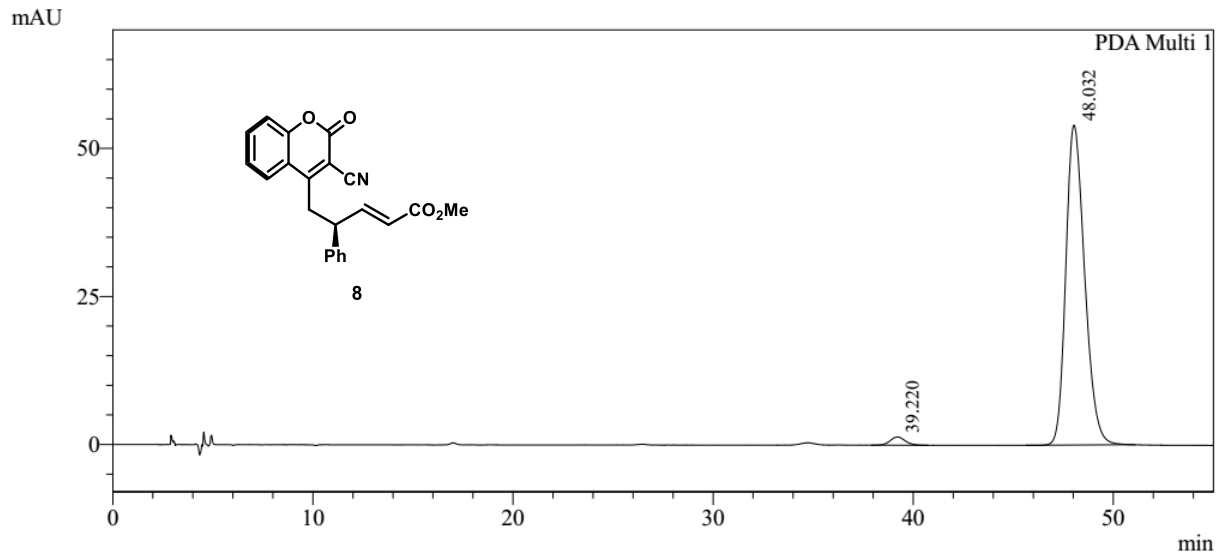


PeakTable

PDA Ch1 302nm 4nm

Peak#	Ret. Time	Area	Area %
1	39.421	1735481	50.531
2	48.196	1698978	49.469
Total		3434458	100.000

Daicel Chiralpak IA column (90:10 *n*-Hexane/EtOH, 1.0 mL/min, 20 °C)



PeakTable

PDA Ch1 302nm 4nm

Peak#	Ret. Time	Area	Area %
1	39.220	72262	2.003
2	48.032	3535367	97.997
Total		3607629	100.000