SUPPORTING INFORMATION

Catalytic enantioselective Michael addition of deconjugated butyrolactams to maleimides

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PeakTable

PDA Ch1 230nm 4nm

Peak#	Ret. Time	Area	Area %
1	11.180	2692479	37.016
2	12.328	955772	13.140
3	13.728	2733528	37.580
4	24.472	892041	12.264
Total		7273820	100.000

Daicel Chiralpak IB column (*n*-Hexane/EtOH = 85:15, 1.0 mL min⁻¹, 20 °C, 230 nm)

PeakTable

PDA Ch1 230nm 4nm

Peak#	Ret. Time	Area	Area %
1	10.855	173321	1.911
2	12.065	791171	8.724
3	13.265	5182859	57.147
4	24.019	2922063	32.219
Total		9069414	100.000

PeakTable

PDA Ch1 230nm 4nm

Peak#	Ret. Time	Area	Area %
1	10.883	93407	1.770
2	12.080	525404	9.956
3	13.341	2362016	44.756
4	24.079	2296676	43.518
Total		5277503	100.000

PeakTable

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Area %
1	10.966	1569115	49.864
2	16.259	1577646	50.136
Total		3146761	100.000

Daicel Chiralpak IB column (*n*-Hexane/EtOH = 85:15, 1.0 mL min⁻¹, 20 °C, 254 nm)

PeakTable

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Area %
1	11.020	93338	3.109
2	16.050	2909226	96.891
Total		3002564	100.000

PeakTable

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Area %
1	11.254	1454864	50.312
2	16.790	1436811	49.688
Total		2891675	100.000

Daicel Chiralpak IB column (*n*-Hexane/EtOH = 85:15, 1.0 mL min⁻¹, 20 °C, 254 nm)

PeakTable

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Area %
1	11.514	153514	4.938
2	17.015	2955438	95.062
Total		3108952	100.000

PeakTable

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Area %
1	15.252	644824	50.028
2	19.994	644100	49.972
Total		1288924	100.000

Daicel Chiralpak IG column (*n*-Hexane/EtOH = 85:15, 1.0 mL min⁻¹, 20 °C, 254 nm)

PeakTable

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Area %
1	16.189	2828147	99.449
2	20.109	15664	0.551
Total		2843811	100.000

PeakTable

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Area %
1	10.536	350896	37.714
2	11.284	112204	12.060
3	14.433	354346	38.085
4	18.275	112965	12.141
Total		930411	100.000

Daicel Chiralpak IB column (*n*-Hexane/EtOH = 85:15, 1.0 mL min⁻¹, 20 °C, 254 nm)

PeakTable

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Area %
1	10.476	62636	2.359
2	11.166	154185	5.808
3	14.173	1922897	72.429
4	18.019	515168	19.405
Total		2654886	100.000

PeakTable

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Area %
1	15.535	736990	42.000
2	16.964	135068	7.697
3	19.006	745459	42.483
4	29.518	137207	7.819
Total		1754724	100.000

Daicel Chiralpak IG column (*n*-Hexane/EtOH = 60:40, 1.0 mL min⁻¹, 20 °C, 254 nm) 312-01

PeakTable

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Area %
1	15.518	99039	2.310
2	16.974	103002	2.402
3	18.915	3543500	82.643
4	29.332	542157	12.644
Total		4287699	100.000

PeakTable

PDA Ch1 234nm 4nm

Peak#	Ret. Time	Area	Area %
1	11.349	2106985	35.466
2	12.387	847716	14.269
3	13.560	2127779	35.816
4	25.411	858401	14.449
Total		5940881	100.000

Phenomenex C1 column (*n*-Hexane/EtOH = 85:15, 1.0 mL min⁻¹, 20 °C, 254 nm)

PeakTable

PDA Ch1 234nm 4nm

Peak#	Ret. Time	Area	Area %
1	11.251	100979	3.355
2	12.230	195491	6.496
3	13.396	1959392	65.104
4	25.054	753766	25.045
Total		3009629	100.000

PeakTable

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Area %
1	10.166	1752665	50.171
2	11.330	1740709	49.829
Total		3493374	100.000

Phenomenex C1 column (*n*-Hexane/EtOH = 85:15, 1.0 mL min⁻¹, 20 °C, 254 nm)

PeakTable

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Area %
1	10.172	13863740	96.798
2	11.373	458613	3.202
Total		14322353	100.000

PeakTable

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Area %
1	10.817	511896	20.201
2	11.628	510530	20.147
3	25.303	761288	30.043
4	31.757	750268	29.608
Total		2533982	100.000

Daicel Chiralpak IE column (*n*-Hexane/EtOH = 90:10, 1.0 mL min⁻¹, 20 °C, 254 nm)

PeakTable

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Area %
1	10.815	93495	2.438
2	11.633	91904	2.397
3	24.993	82051	2.140
4	31.111	3566797	93.025
Total		3834247	100.000

PeakTable

Detector A Ch2 254nm

Peak#	Ret. Time	Area	Area %
1	10.541	975297	50.616
2	16.821	951555	49.384
Total		1926852	100.000

Daicel Chiralpak IC column (*n*-Hexane/EtOH = 90:10, 1.0 mL min⁻¹, 20 °C, 254 nm)

PeakTable

Detector A Ch2 254nm

Peak#	Ret. Time	Area	Area %
1	10.626	2988120	95.045
2	17.115	155769	4.955
Total		3143889	100.000