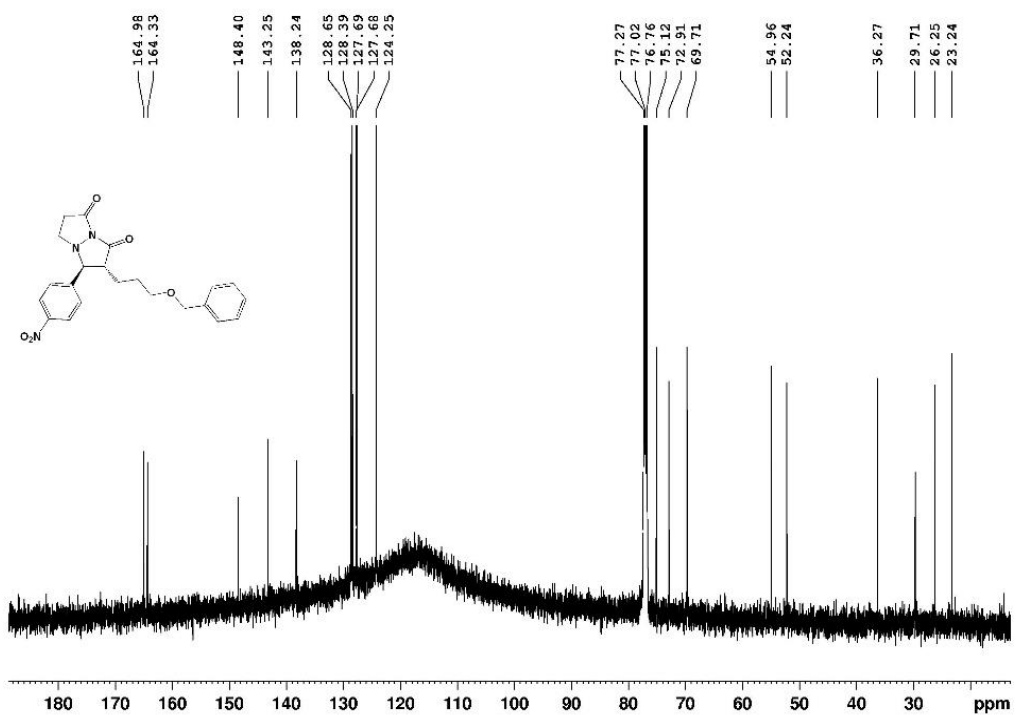
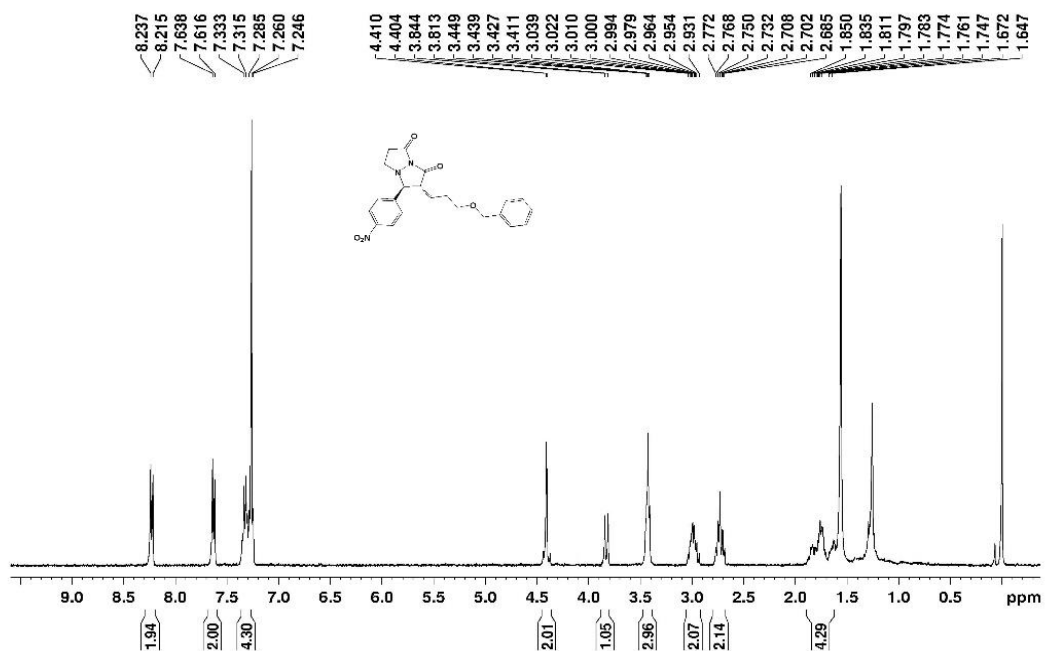
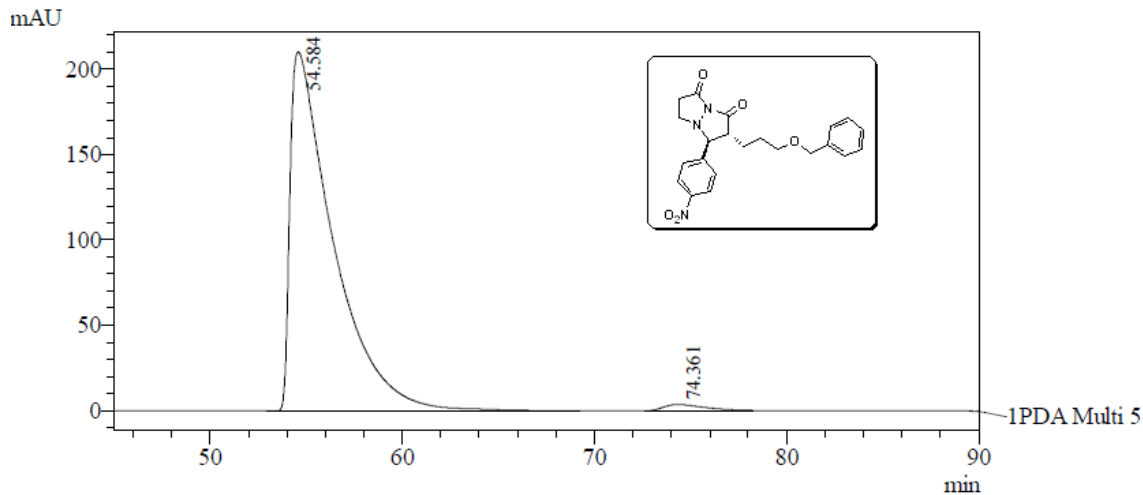


(2*R*,3*S*)-2-(3-(benzyloxy)propyl)-3-(4-nitrophenyl)tetrahydropyrazolo[1,2-*a*]pyrazole-1,7-dione (3a)



HPLC Spectra

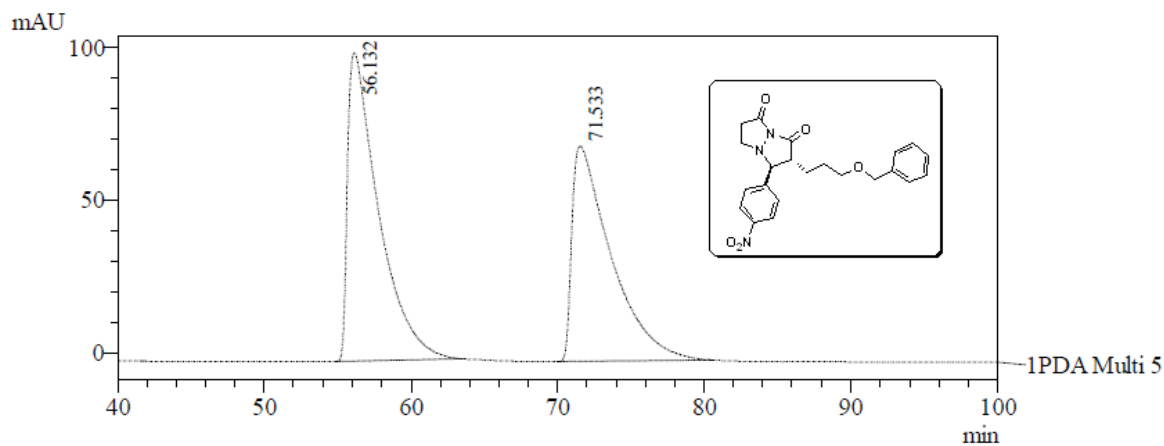
(2*R*,3*S*)-2-(3-(benzyloxy)propyl)-3-(4-nitrophenyl)tetrahydropyrazolo[1,2-*a*]pyrazole-1,7-dione (3a)



1 PDA Multi 5 / 280nm 4nm

PeakTable
PDA Ch5 280nm 4nm

Peak#	Ret. Time	Area %
1	54.584	98.459
2	74.361	1.541
Total		100.000

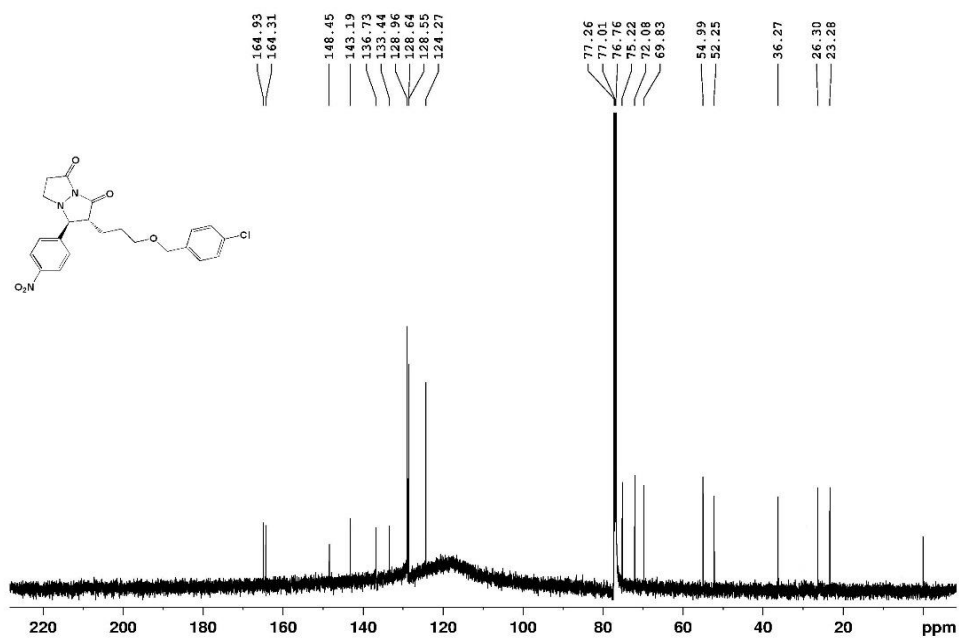
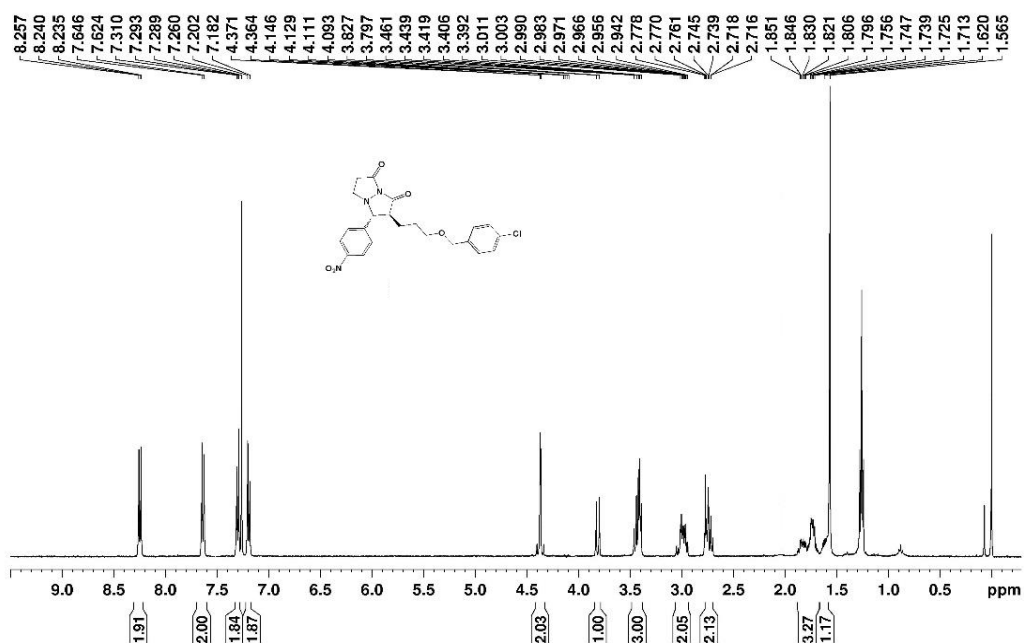


1 PDA Multi 5 / 280nm 4nm

PeakTable
PDA Ch5 280nm 4nm

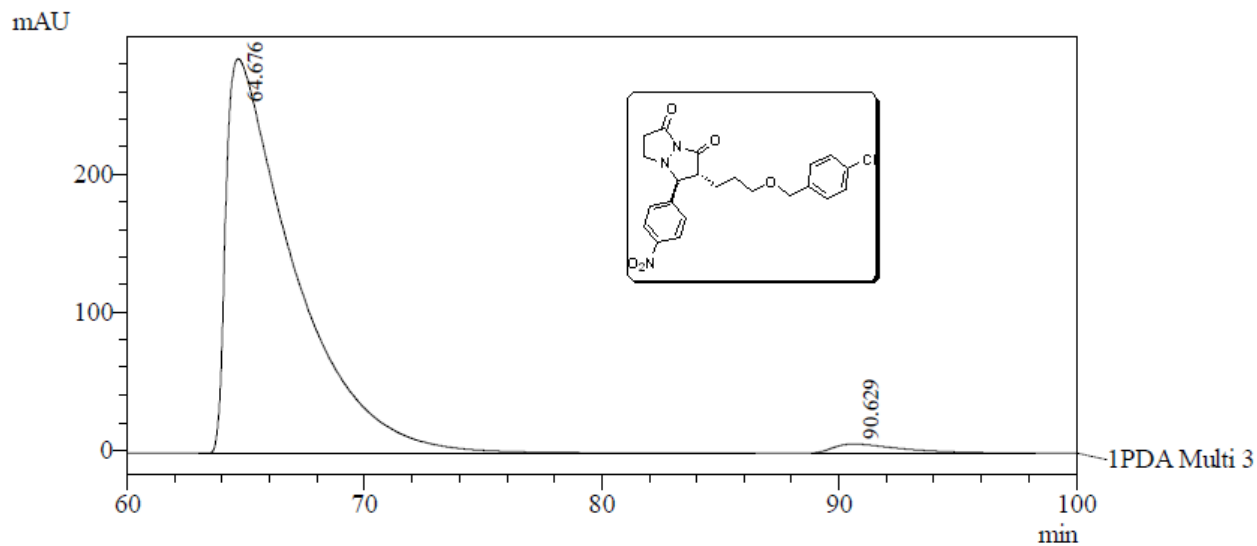
Peak#	Ret. Time	Area %
1	56.132	53.143
2	71.533	46.857
Total		100.000

(2*R*,3*S*)-2-(3-(4-chlorobenzyloxy)propyl)-3-(4-nitrophenyl)tetrahydropyrazolo[1,2-*a*]pyrazole-1,7-dione (3b)



HPLC Spectra

(2R,3S)-2-(3-(4-chlorobenzyloxy)propyl)-3-(4-nitrophenyl)tetrahydropyrazolo[1,2-a]pyrazole-1,7-dione (3b)

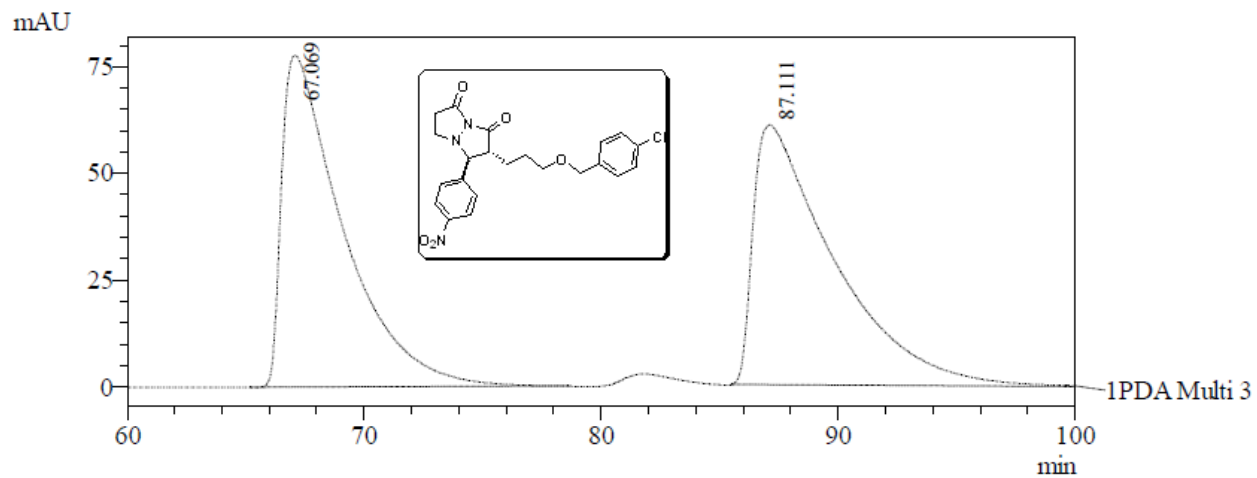


1 PDA Multi 3 / 254nm 4mm

PeakTable

PDA Ch3 254nm 4mm

Peak#	Ret. Time	Area %
1	64.676	97.828
2	90.629	2.172
Total		100.000



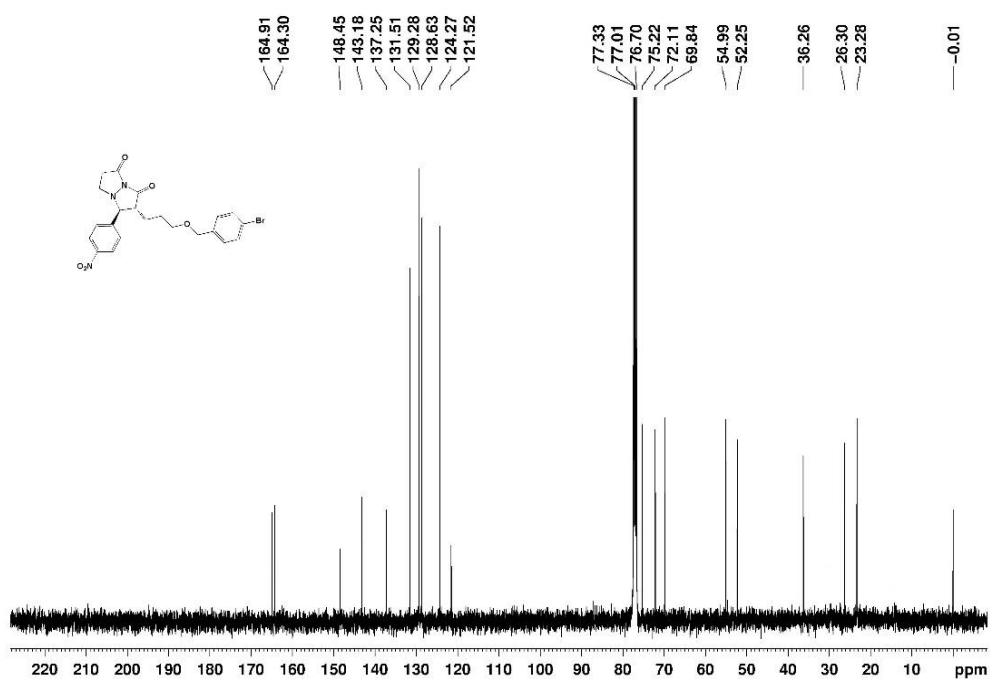
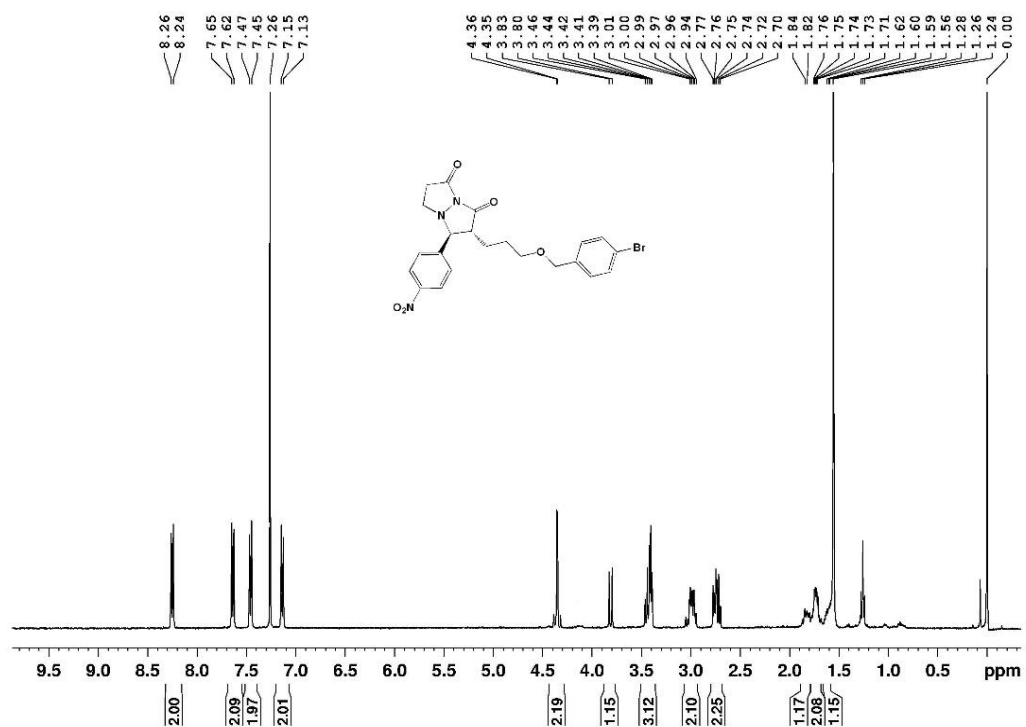
1 PDA Multi 3 / 254nm 4mm

PeakTable

PDA Ch3 254nm 4mm

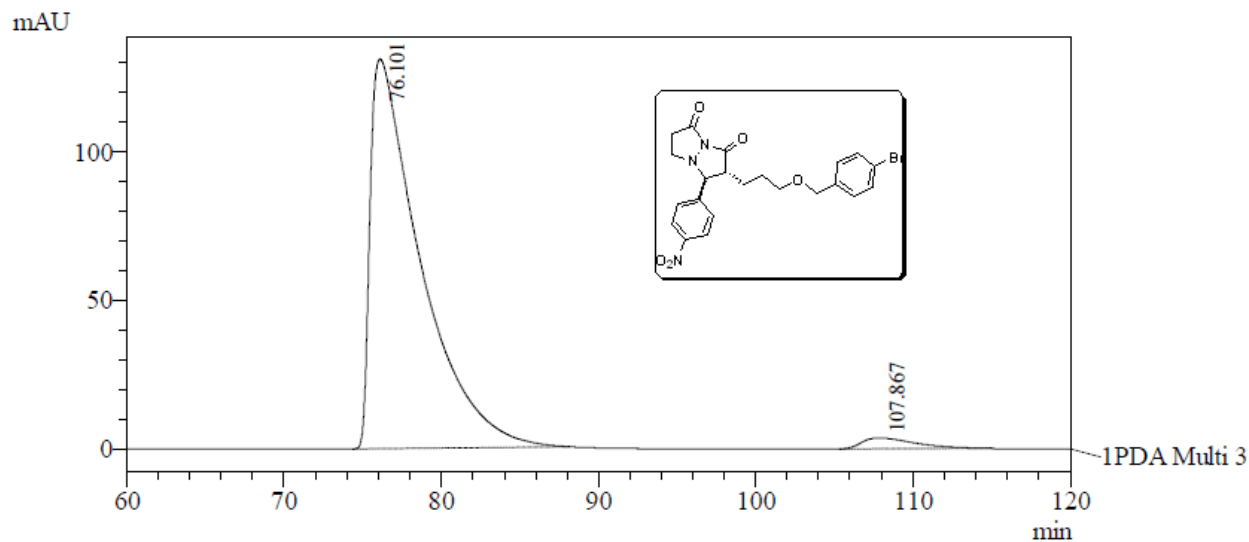
Peak#	Ret. Time	Area %
1	67.069	49.286
2	87.111	50.714
Total		100.000

(2*R*,3*S*)-2-(3-(4-bromobenzyloxy)propyl)-3-(4-nitrophenyl)tetrahydropyrazolo[1,2-*a*]pyrazole-1,7-dione (3c)



HPLC Spectra

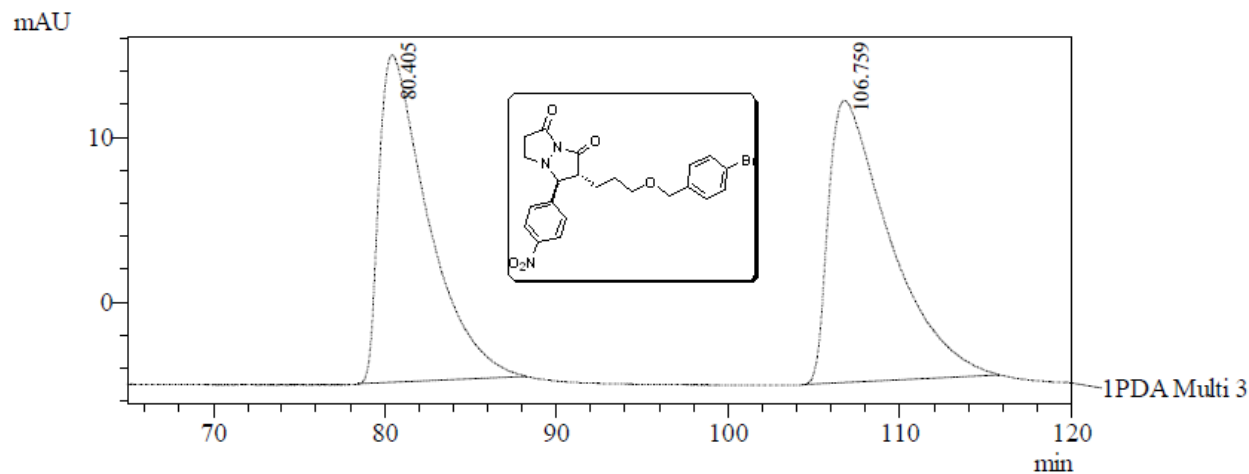
(2*R*,3*S*)-2-(3-(4-bromobenzyloxy)propyl)-3-(4-nitrophenyl)tetrahydropyrazolo[1,2-*a*]pyrazole-1,7-dione (3c)



1 PDA Multi 3 / 254nm 4mm

PeakTable
PDA Ch3 254nm 4mm

Peak#	Ret. Time	Area %
1	76.101	97.127
2	107.867	2.873
Total		100.000

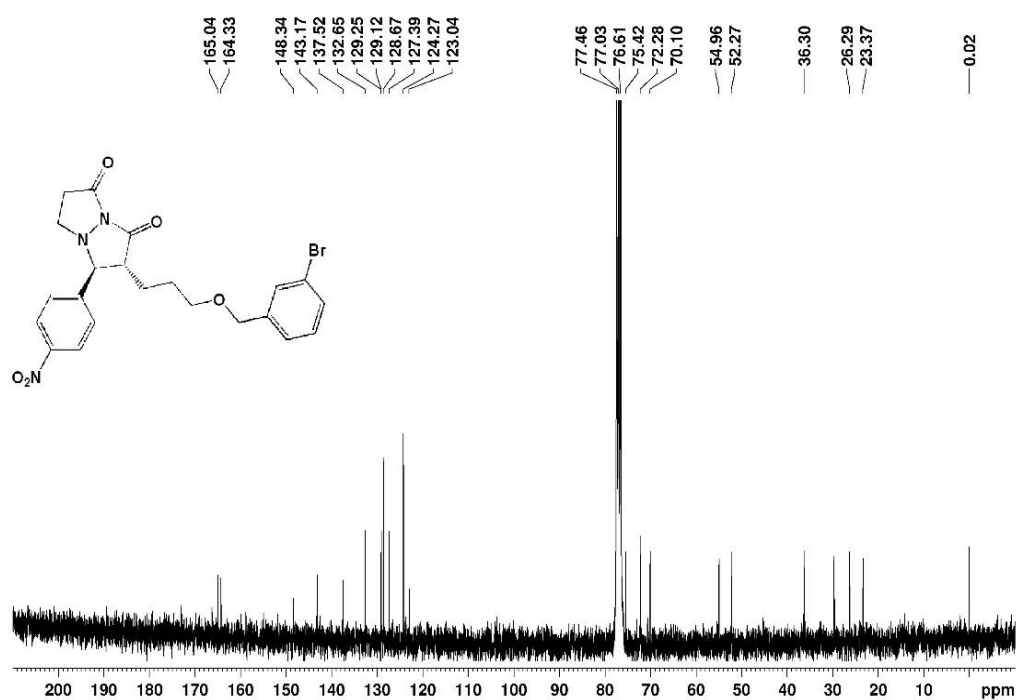
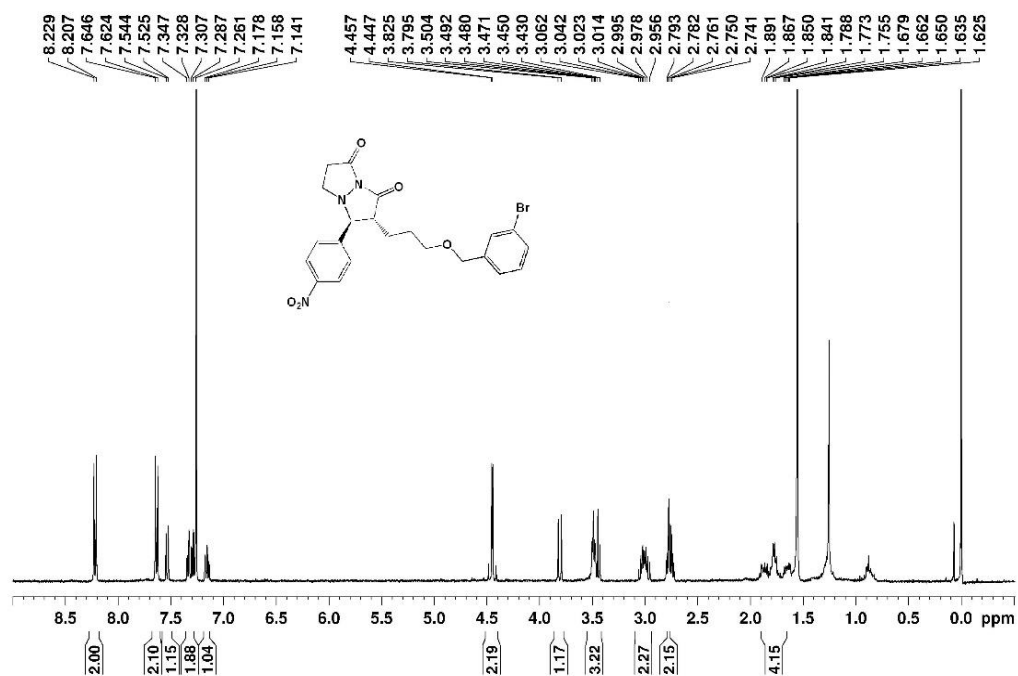


1 PDA Multi 3 / 254nm 4mm

PeakTable
PDA Ch3 254nm 4mm

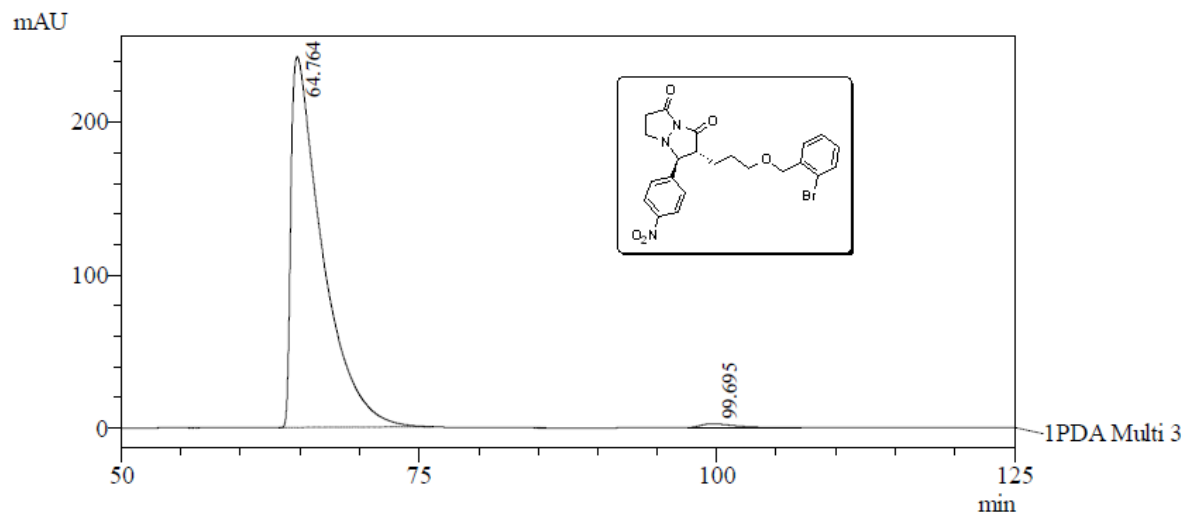
Peak#	Ret. Time	Area %
1	80.405	48.129
2	106.759	51.871
Total		100.000

(2*R*,3*S*)-2-(3-(2-bromobenzyloxy)propyl)-3-(4-nitrophenyl)tetrahydropyrazolo[1,2-*a*]pyrazole-1,7-dione (3d)



HPLC Spectra

(2R,3S)-2-(3-(2-bromobenzyloxy)propyl)-3-(4-nitrophenyl)tetrahydropyrazolo[1,2-a]pyrazole-1,7-dione (3d)

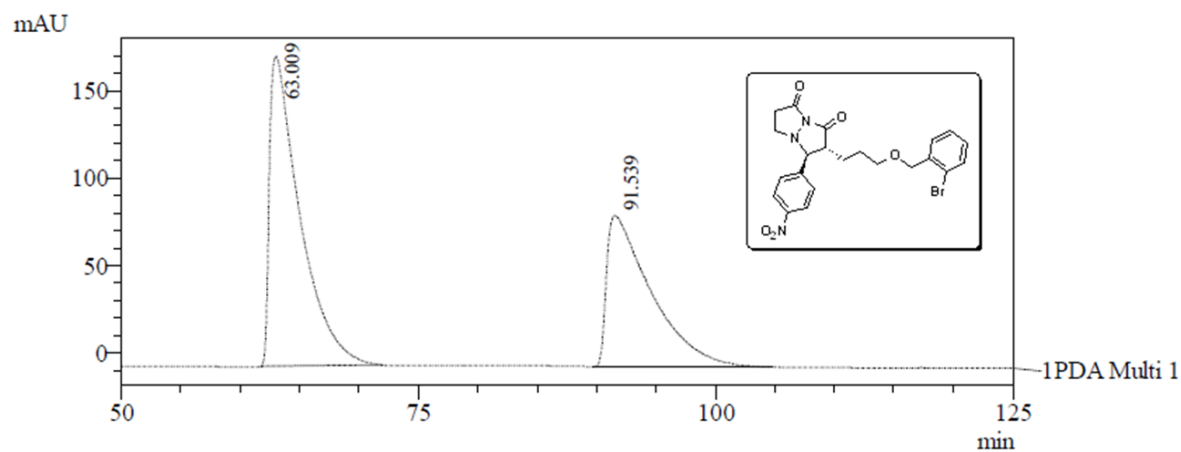


1 PDA Multi 3 / 254nm 4nm

PeakTable

PDA Ch3 254nm 4nm

Peak#	Ret. Time	Area %
1	64.764	98.904
2	99.695	1.096
Total		100.000



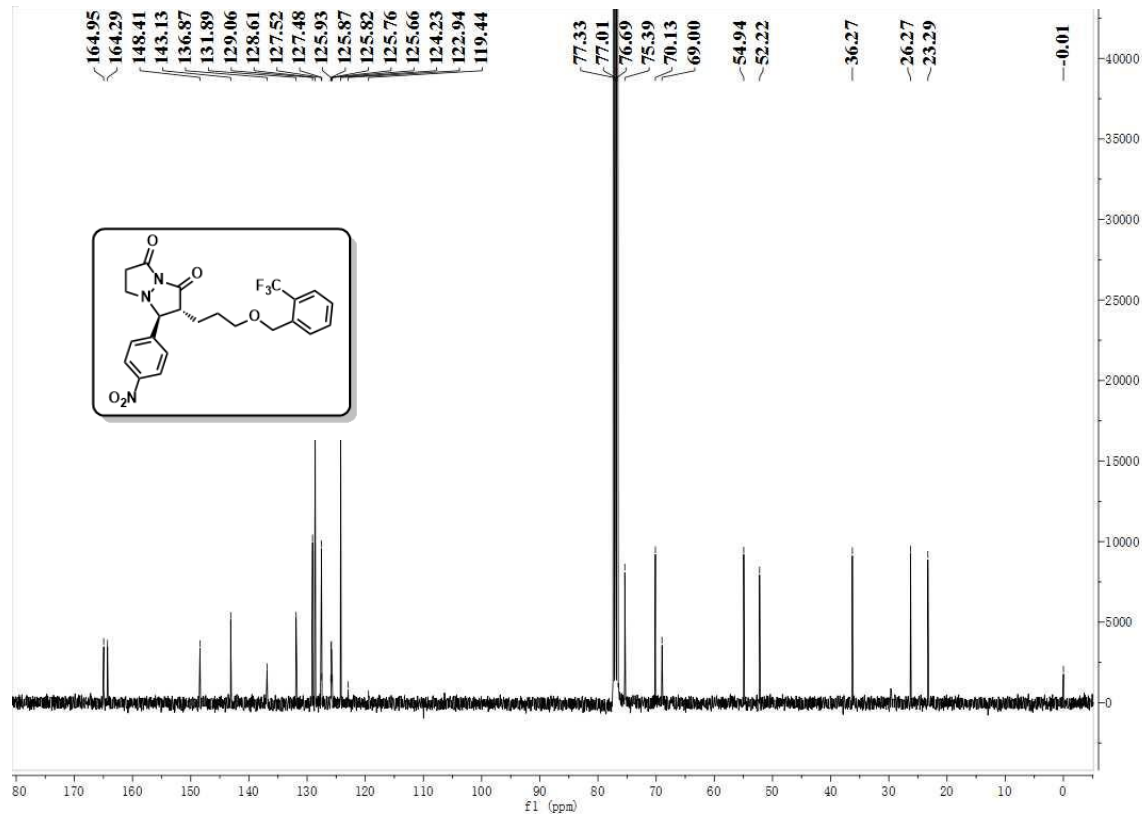
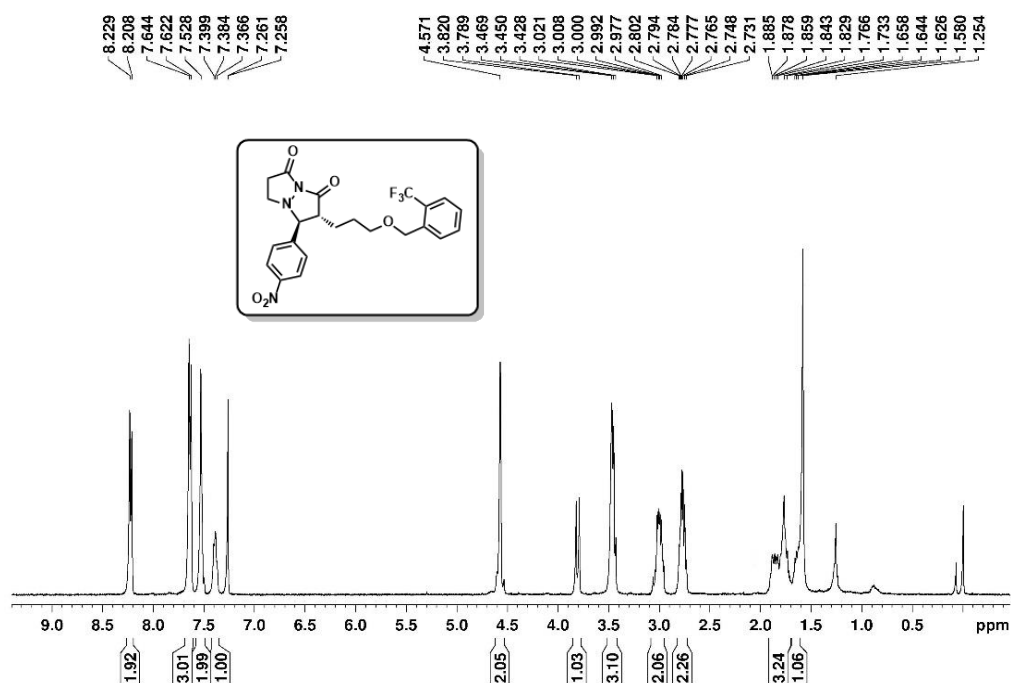
1 PDA Multi 1 / 220nm 4nm

PeakTable

PDA Ch1 220nm 4nm

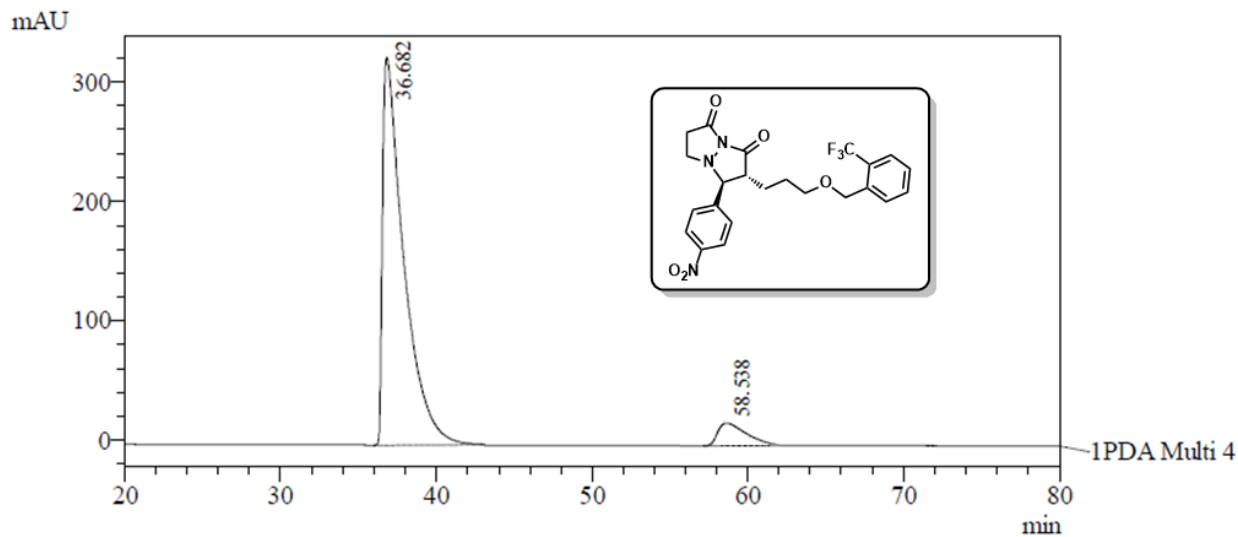
Peak#	Ret. Time	Area %
1	63.009	58.207
2	91.539	41.793
Total		100.000

(2R,3S)-3-(4-nitrophenyl)-2-(3-(2 (trifluoromethyl) benzyloxy) propyl) tetrahydropyrazolo [1,2-a]pyrazole-1,7-dione (3e)



HPLC Spectra

(2*R*,3*S*)-3-(4-nitrophenyl)-2-(3-(2 (trifluoromethyl) benzyloxy) propyl) tetrahydropyrazolo [1,2-*a*]pyrazole-1,7-dione (3e)

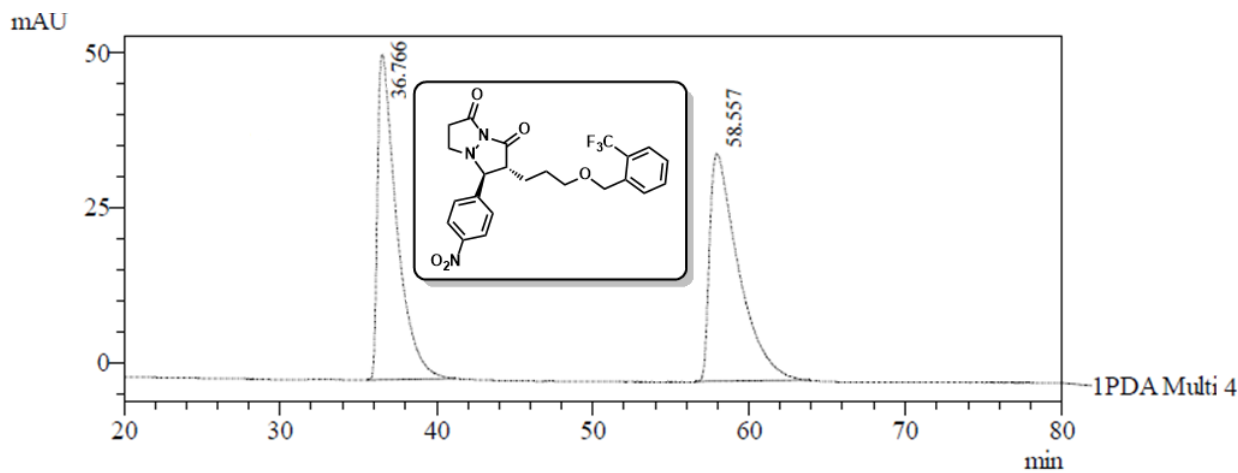


1 PDA Multi 4 / 270nm 4mm

PeakTable

PDA Ch4 270nm 4mm

Peak#	Ret. Time	Area %
1	36.682	93.563
2	58.538	6.437
Total		100.000



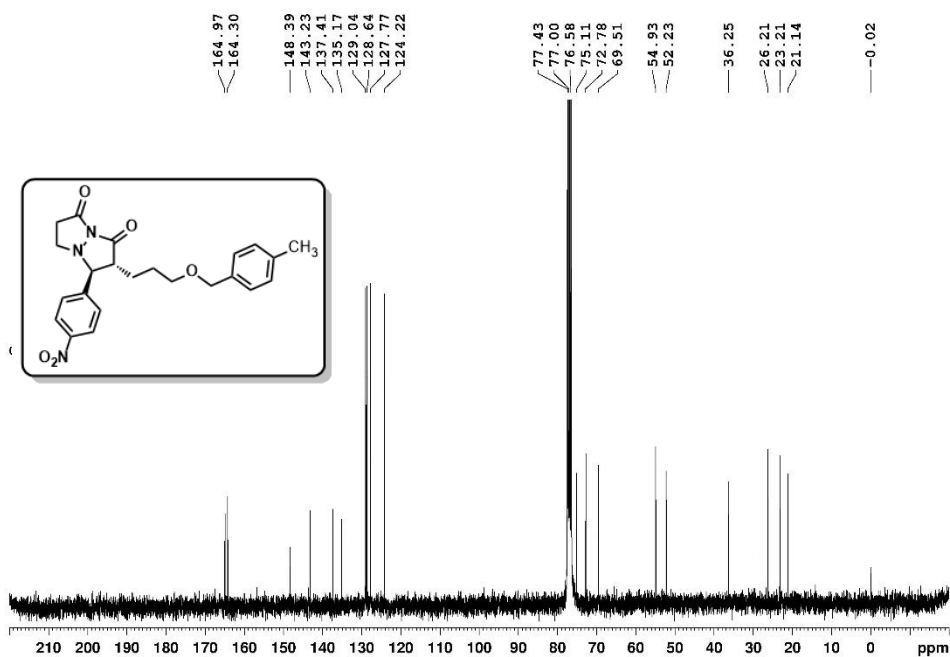
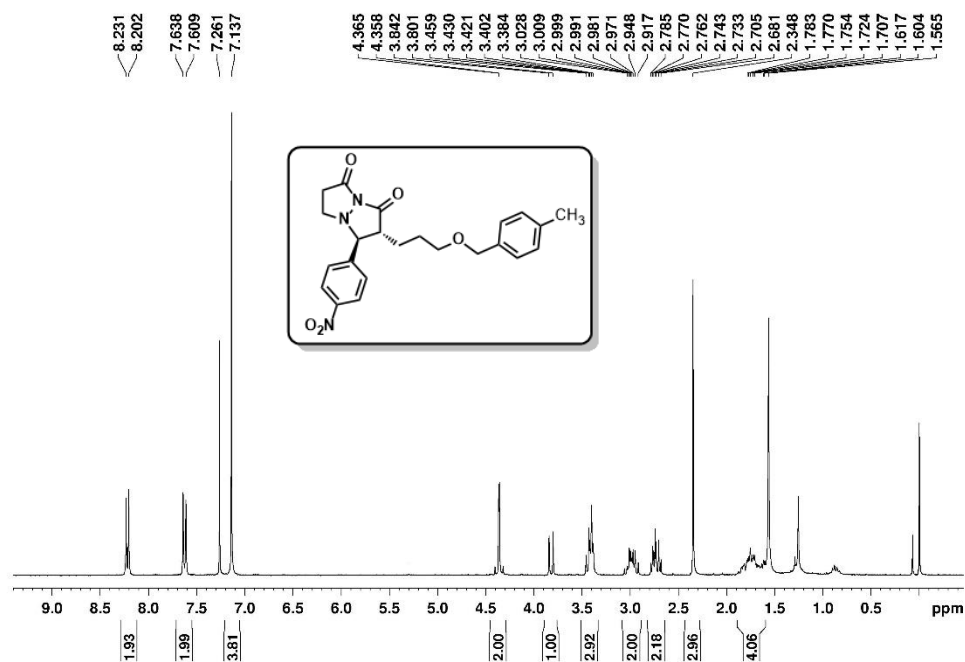
1 PDA Multi 5 / 280nm 4mm

PeakTable

PDA Ch5 280nm 4mm

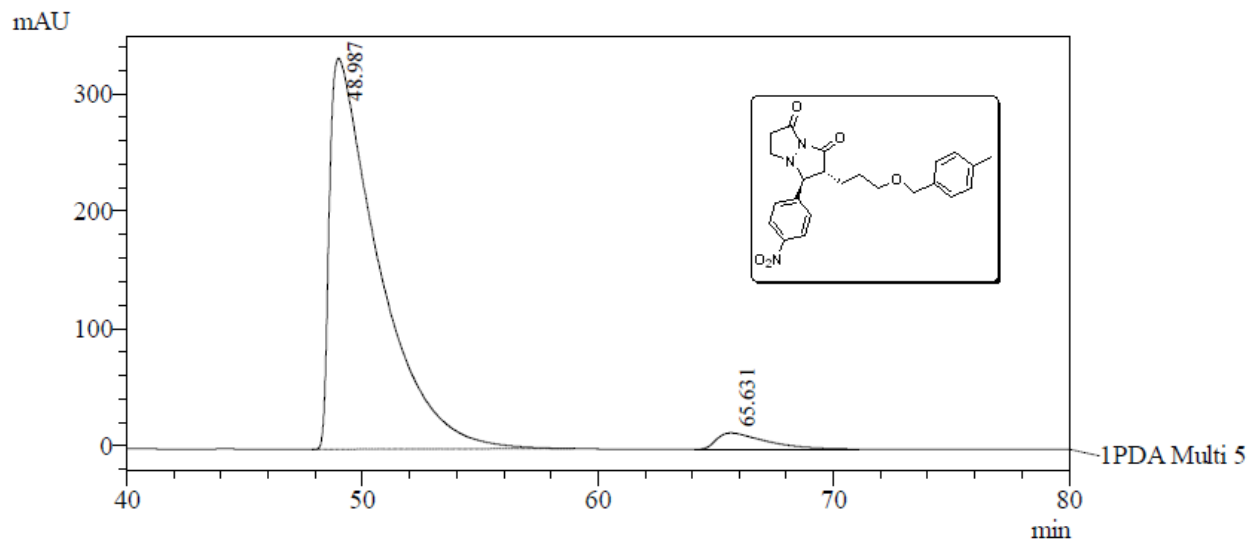
Peak#	Ret. Time	Area %
1	36.766	48.522
2	58.557	51.478
Total		100.000

(2*R*,3*S*)-2-(3-(4-methylbenzyloxy)propyl)-3-(4-nitrophenyl)tetrahydropyrazolo[1,2-*a*]pyrazole-1,7-dione (3f)



HPLC Spectra

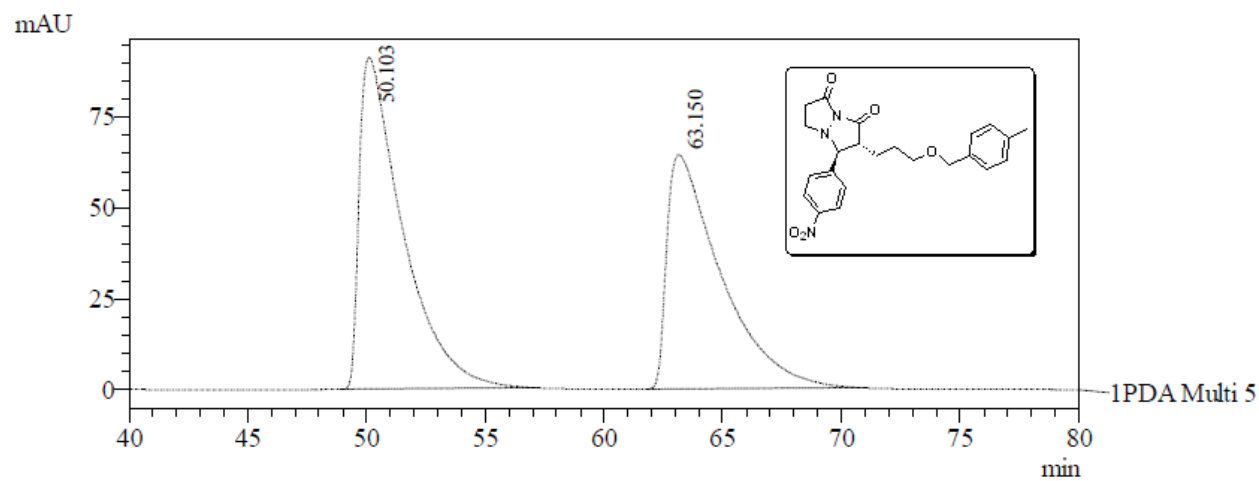
(2R,3S)-2-(3-(4-methylbenzyloxy)propyl)-3-(4-nitrophenyl)tetrahydropyrazolo[1,2-a]pyrazole-1,7-dione (3f)



PeakTable

PDA Ch5 280nm 4nm

Peak#	Ret. Time	Area %
1	48.987	95.993
2	65.631	4.007
Total		100.000

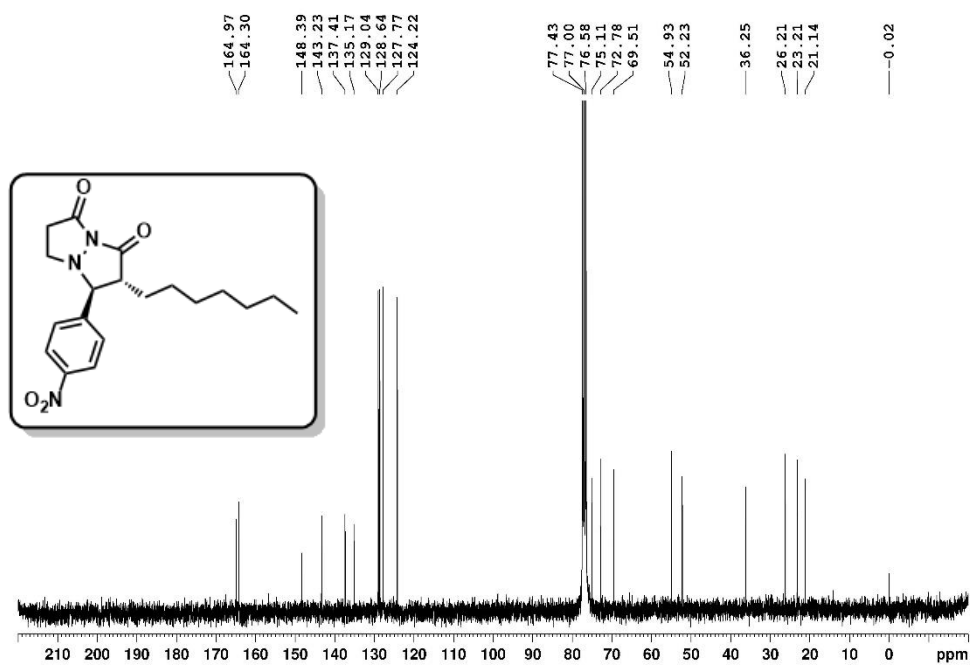
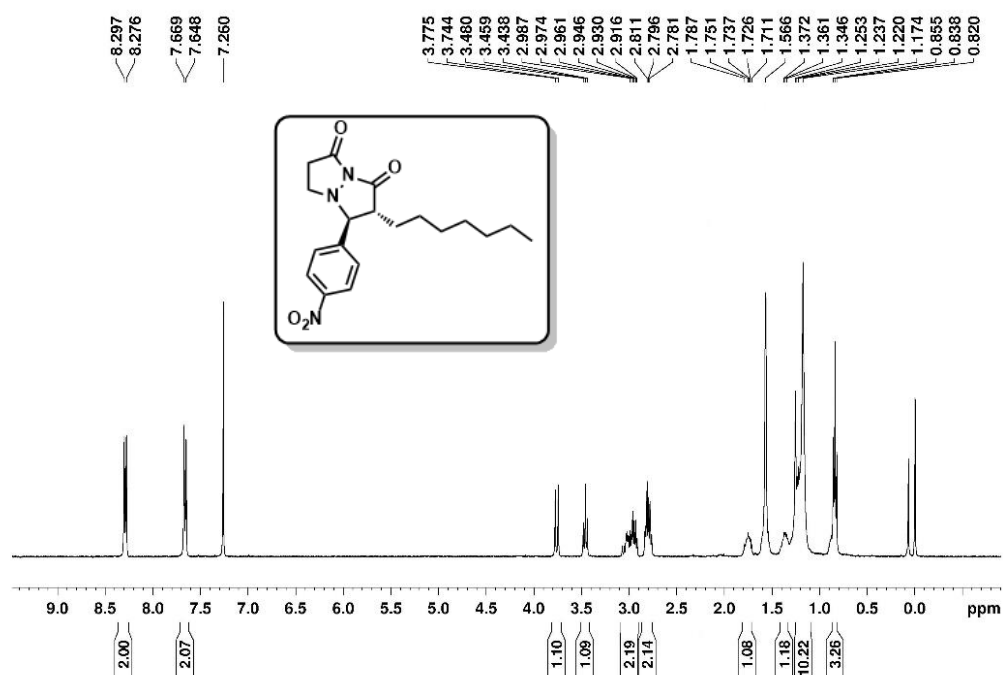


PeakTable

PDA Ch5 280nm 4nm

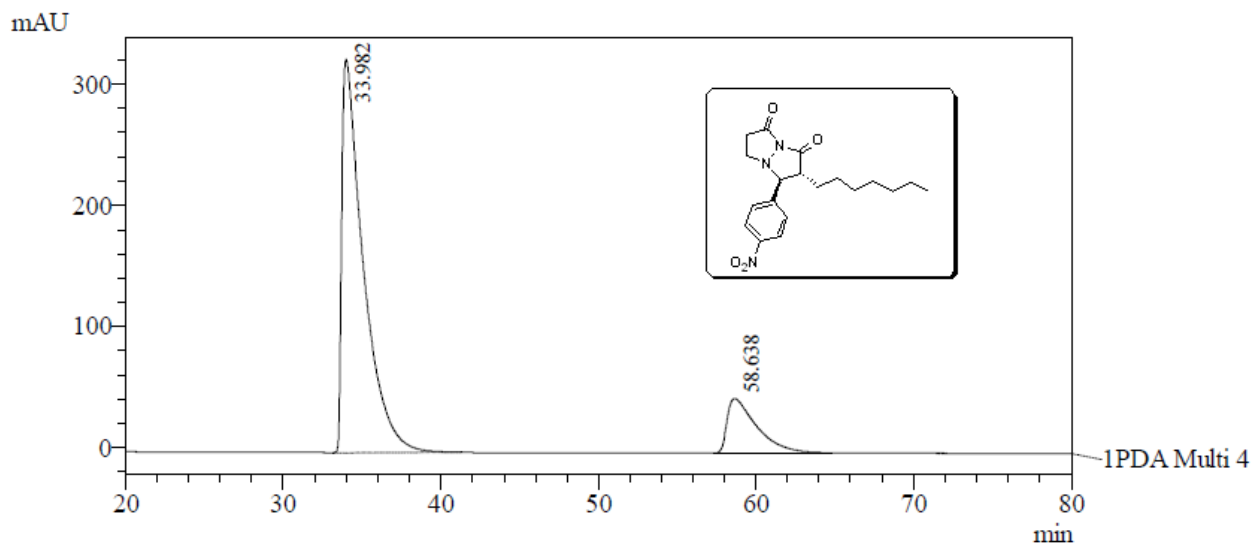
Peak#	Ret. Time	Area %
1	50.103	53.136
2	63.150	46.864
Total		100.000

(2*R*,3*S*)-2-heptyl-3-(4-nitrophenyl)tetrahydropyrazolo[1,2-*a*]pyrazole-1,7-dione (3g)



HPLC Spectra

(2R,3S)-2-heptyl-3-(4-nitrophenyl)tetrahydropyrazolo[1,2-a]pyrazole-1,7-dione (3g)

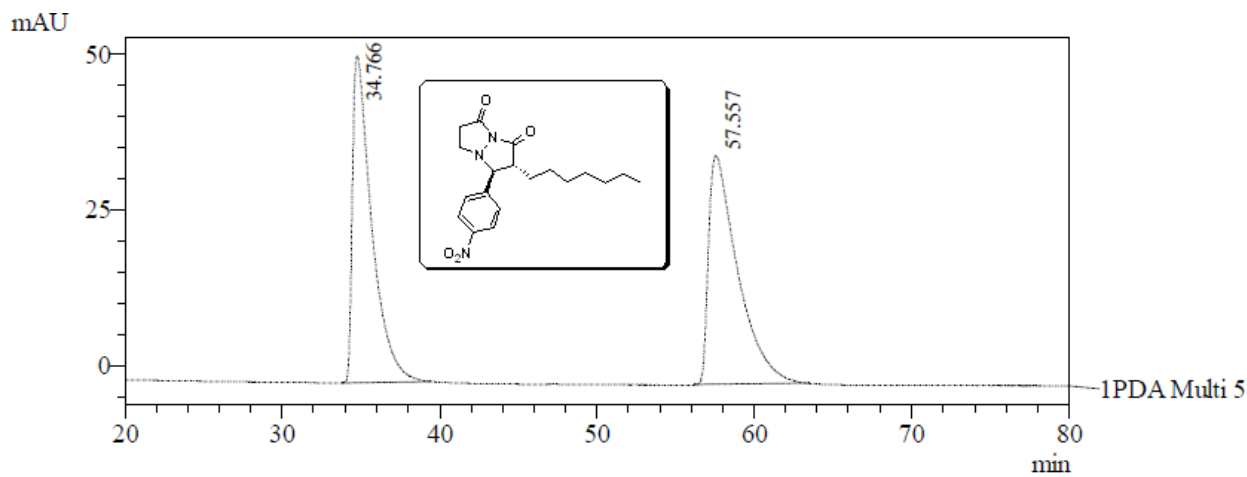


1 PDA Multi 4 / 270nm 4mm

PeakTable

PDA Ch4 270nm 4mm

Peak#	Ret. Time	Area %
1	33.982	83.984
2	58.638	16.016
Total		100.000



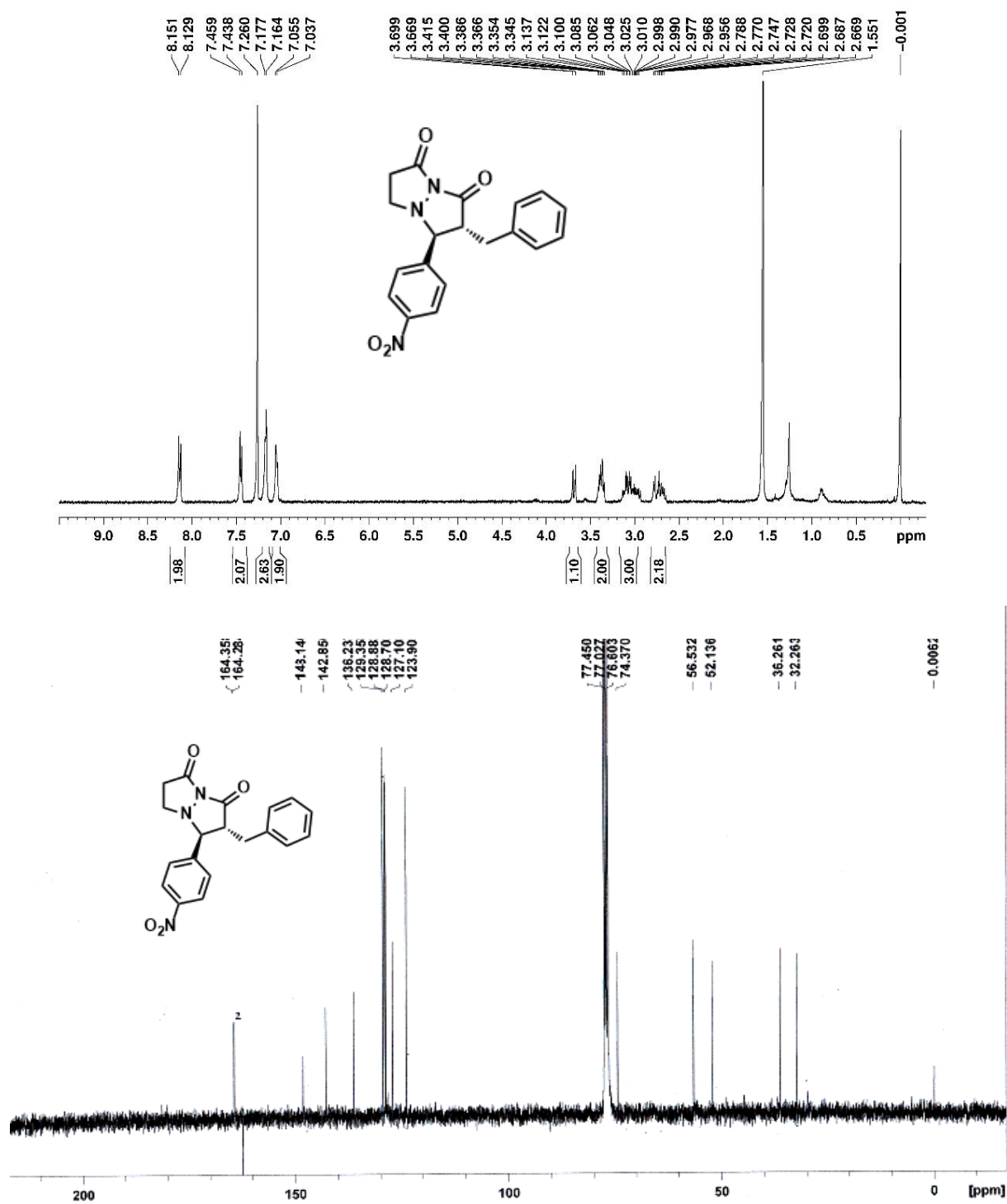
1 PDA Multi 5 / 280nm 4mm

PeakTable

PDA Ch5 280nm 4mm

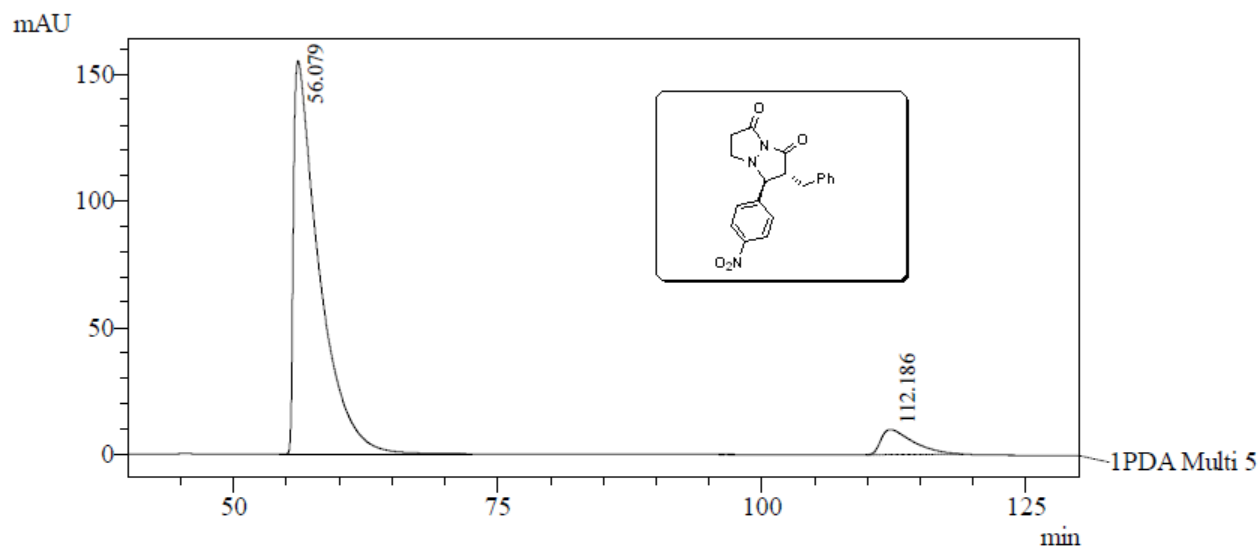
Peak#	Ret. Time	Area %
1	34.766	48.522
2	57.557	51.478
Total		100.000

(2*R*,3*S*)-2-benzyl-3-(4-nitrophenyl) tetrahydropyrazolo[1,2-*a*]pyrazole-1,7-dione (3h)



HPLC Spectra

(2R,3S)-2-benzyl-3-(4-nitrophenyl) tetrahydropyrazolo[1,2-a]pyrazole-1,7-dione (3h)

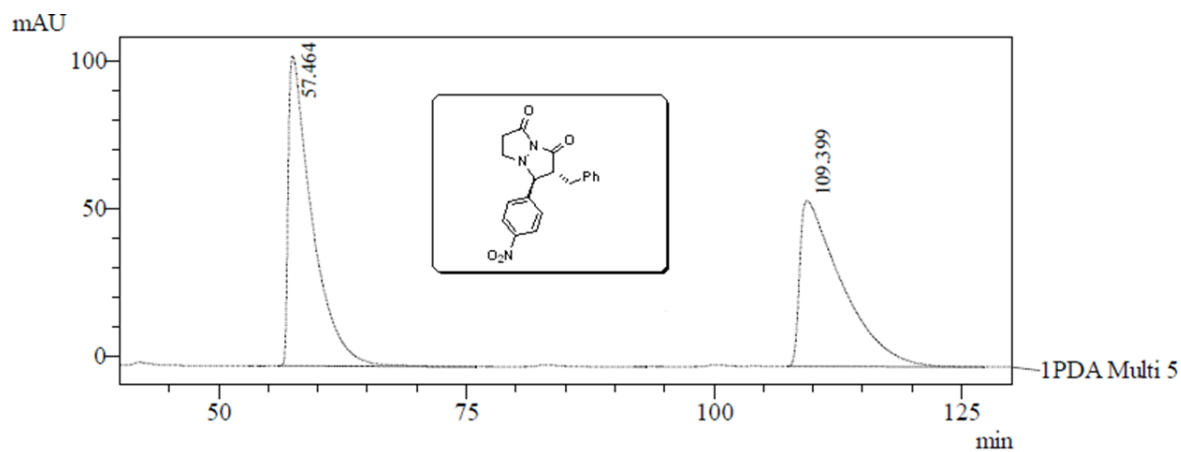


1 PDA Multi 5 / 280nm 4mm

PeakTable

PDA Ch5 280nm 4mm

Peak#	Ret. Time	Area %
1	56.079	92.563
2	112.186	7.437
Total		100.000



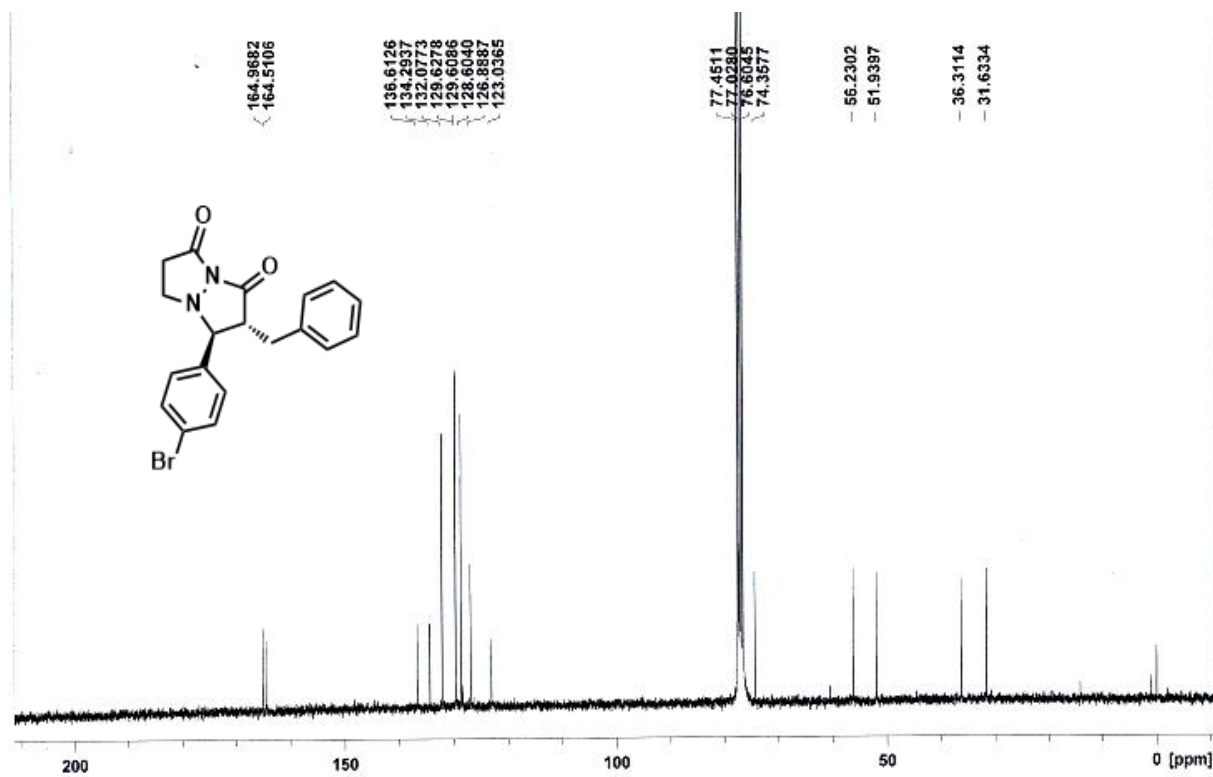
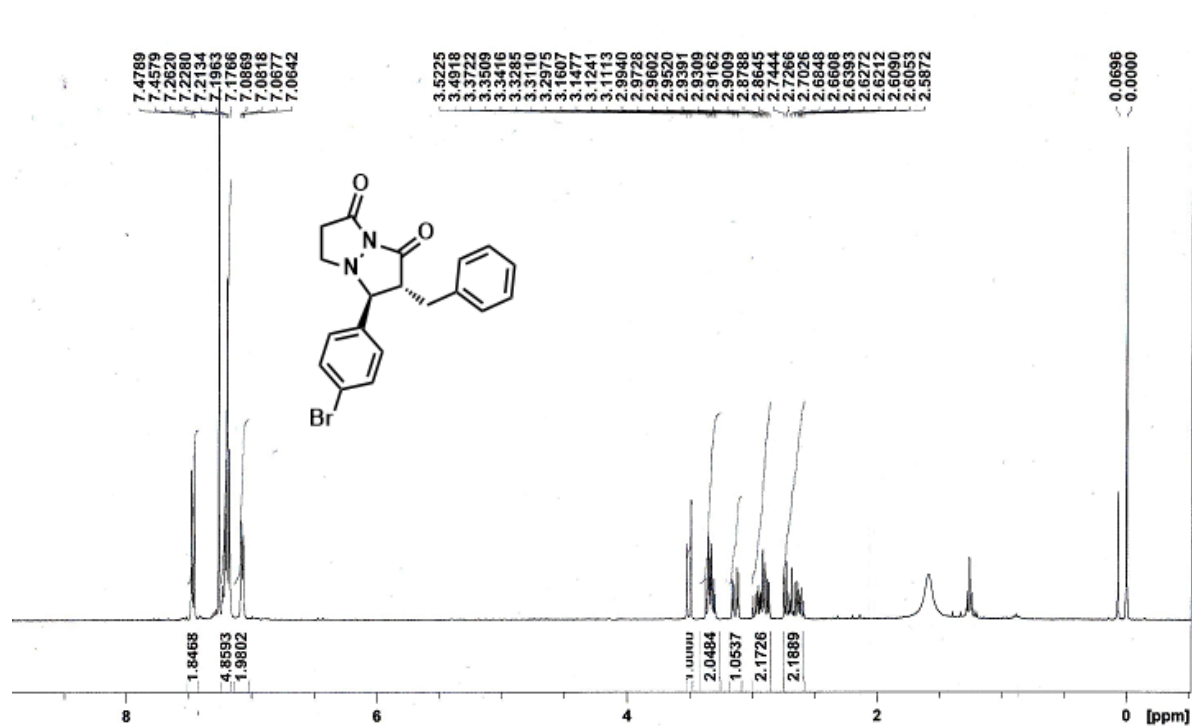
1 PDA Multi 5 / 280nm 4mm

PeakTable

PDA Ch5 280nm 4mm

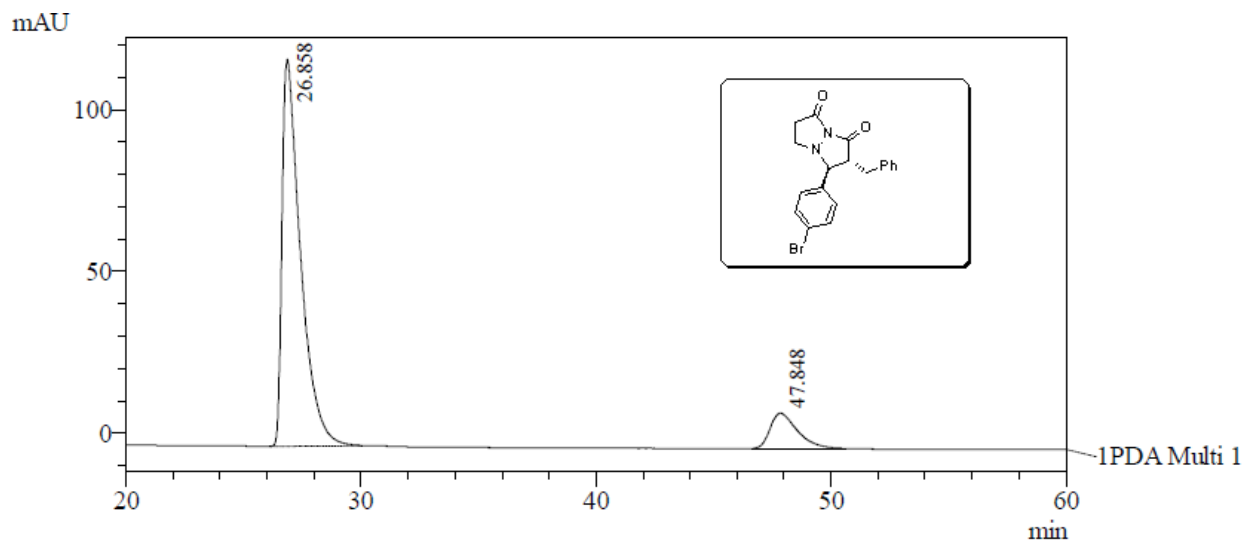
Peak#	Ret. Time	Area %
1	57.464	51.320
2	109.399	48.680
Total		100.000

(2*R*,3*S*)-2-benzyl-3-(4-bromophenyl) tetrahydropyrazolo[1,2-*a*]pyrazole-1,7-dione (3i)



HPLC Spectra

(2R,3S)-2-benzyl-3-(4-bromophenyl) tetrahydropyrazolo[1,2-a]pyrazole-1,7-dione (3i)

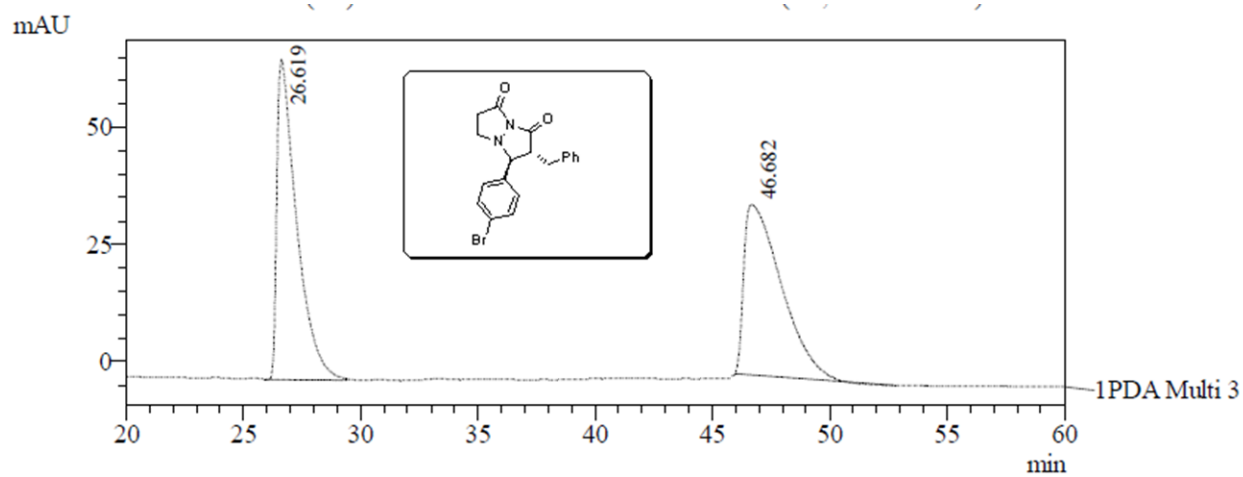


1 PDA Multi 1 / 220nm 4mm

PeakTable

PDA Ch1 220nm 4mm

Peak#	Ret. Time	Area %
1	26.858	88.203
2	47.848	11.797
Total		100.000



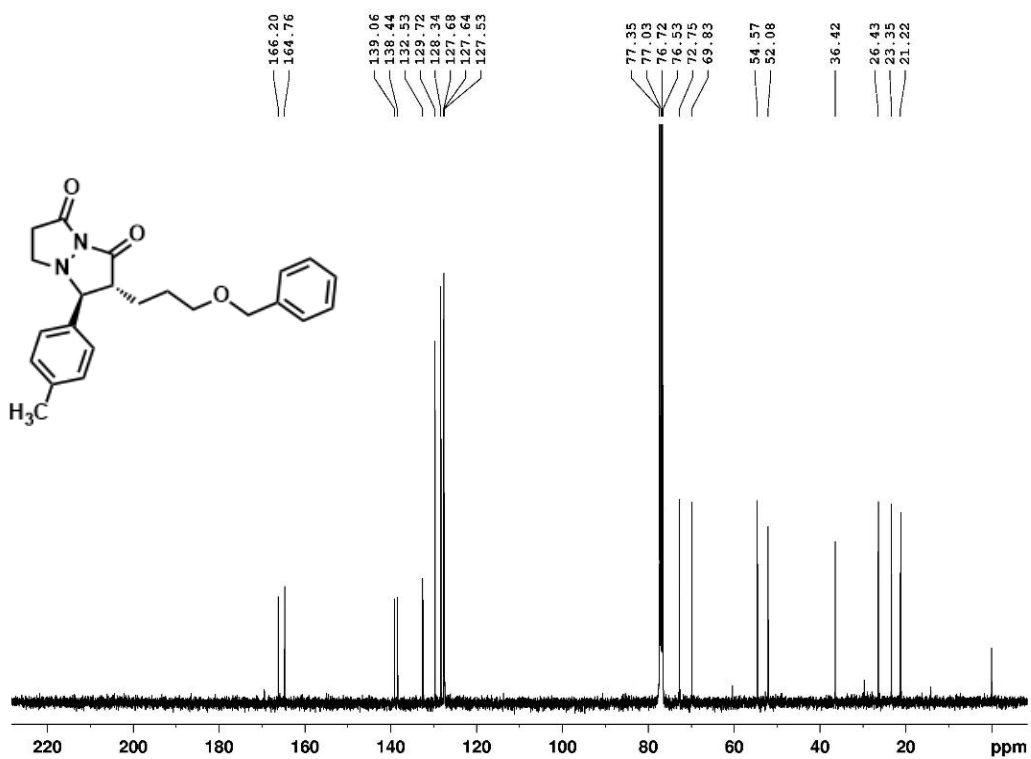
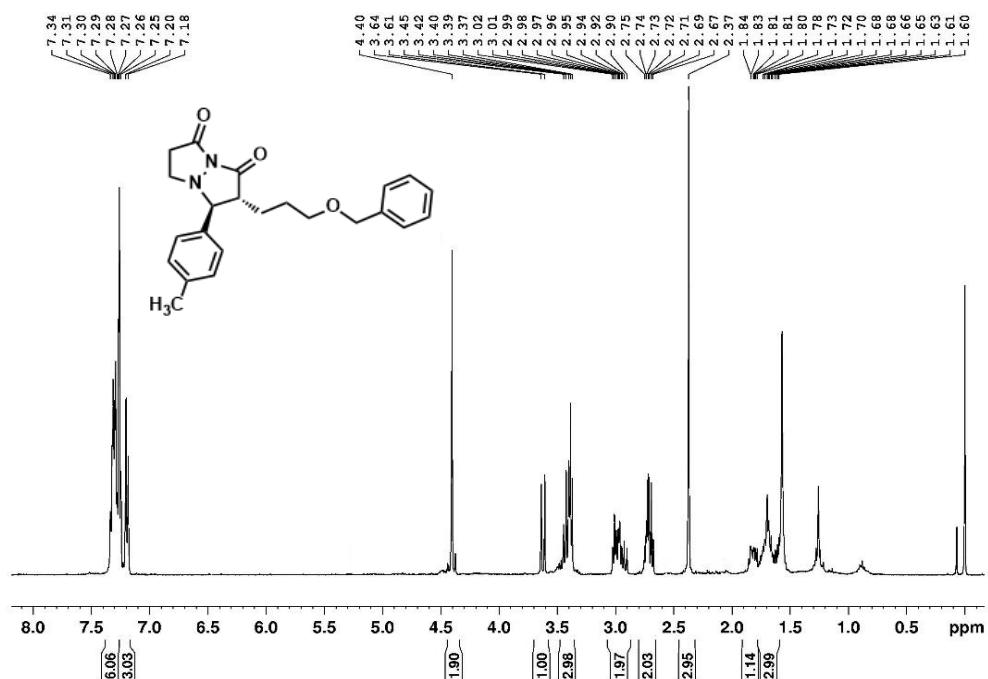
1 PDA Multi 3 / 254nm 4mm

PeakTable

PDA Ch3 254nm 4mm

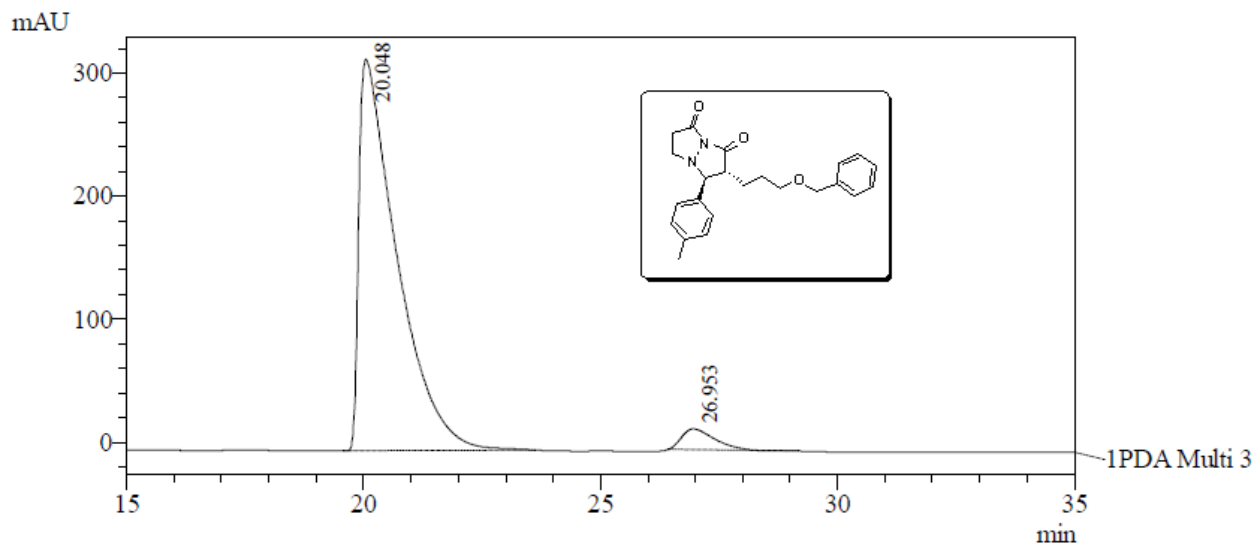
Peak#	Ret. Time	Area %
1	26.619	49.893
2	46.682	50.107
Total		100.000

(2R,3S)-2-(3-(benzyloxy)propyl)-3-p-tolyltetrahydropyrazolo[1,2-a]pyrazole-1,7-dione (3j)



HPLC Spectra

(2R,3S)-2-(3-(benzyloxy)propyl)-3-p-tolyltetrahydropyrazolo[1,2-a]pyrazole-1,7-dione (3j)

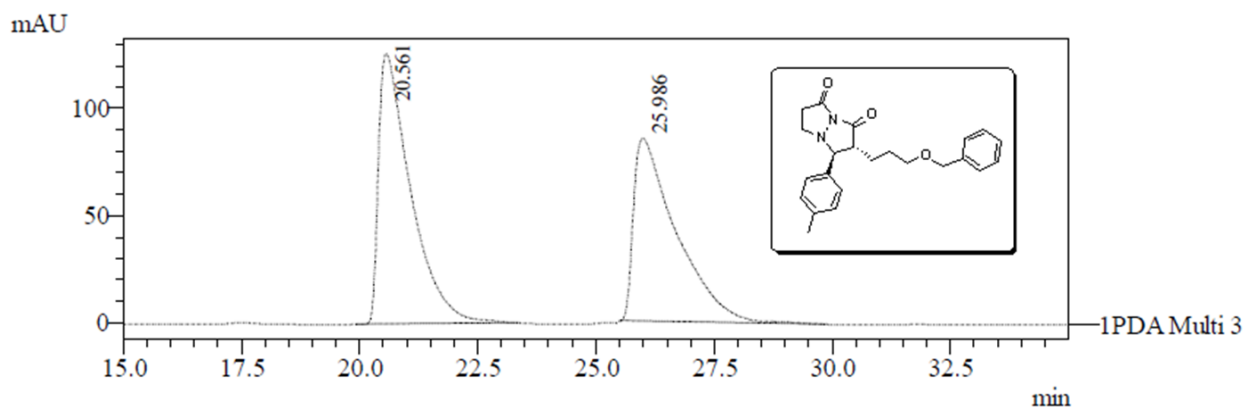


1 PDA Multi 3 / 254nm 4nm

PeakTable

PDA Ch3 254nm 4nm

Peak#	Ret. Time	Area %
1	20.048	95.657
2	26.953	4.343
Total		100.000



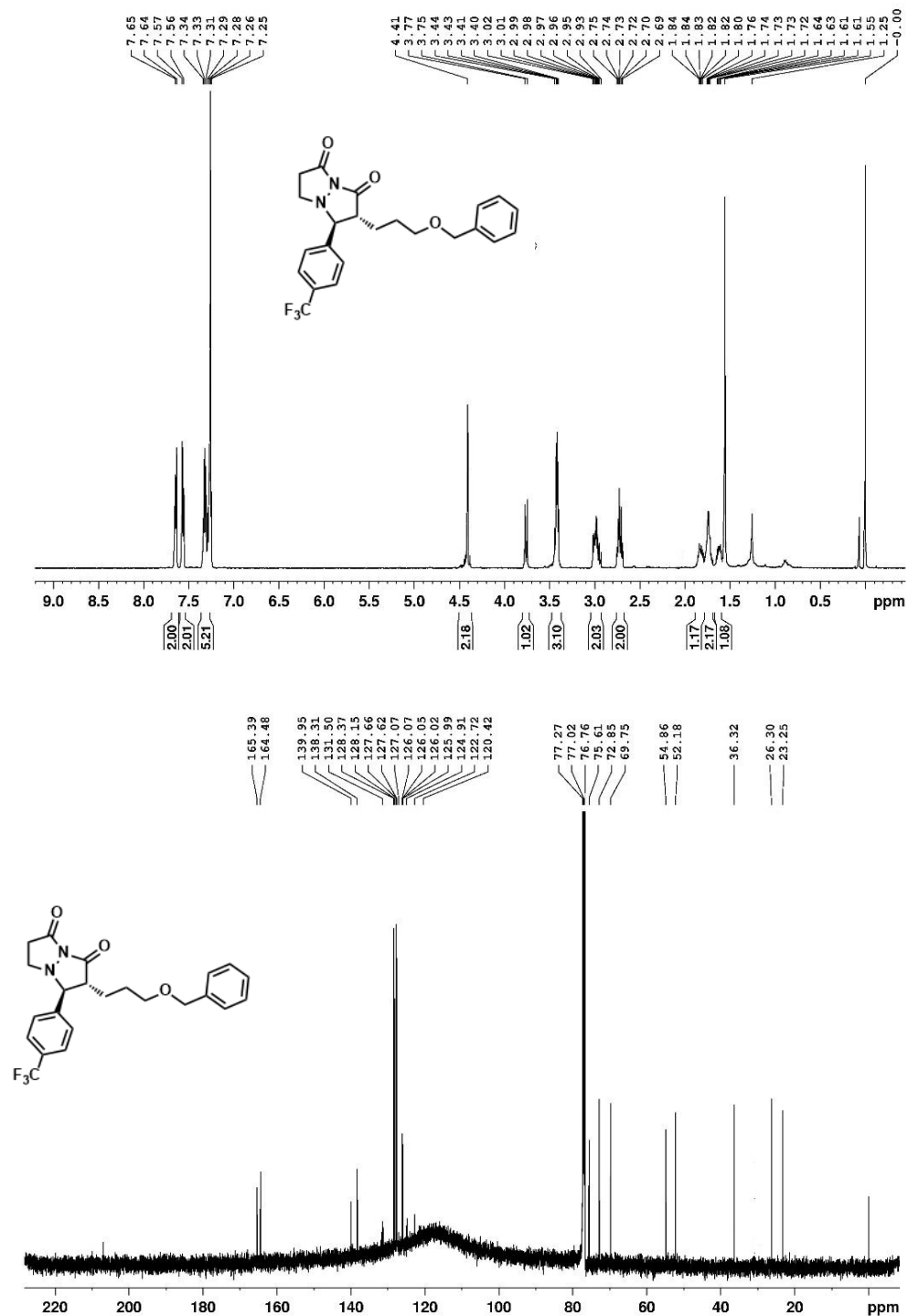
1 PDA Multi 3 / 254nm 4nm

PeakTable

PDA Ch3 254nm 4nm

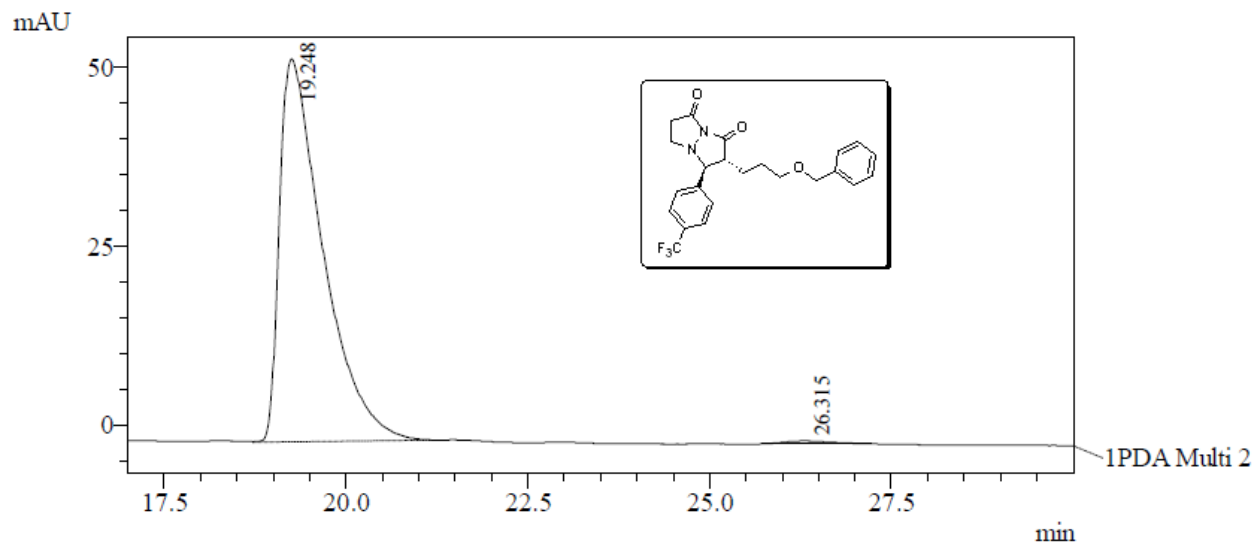
Peak#	Ret. Time	Area %
1	20.561	52.636
2	25.986	47.364
Total		100.000

(2R,3S)-2-(3-(benzyloxy)propyl)-3-(4-(trifluoromethyl)phenyl)tetrahydropyrazolo[1,2-a]pyrazole-1,7-dione (3k)



HPLC Spectra

(2R,3S)-2-(3-(benzyloxy)propyl)-3-(4-(trifluoromethyl)phenyl)tetrahydropyrazolo[1,2-a]pyrazole-1,7-dione (3k)

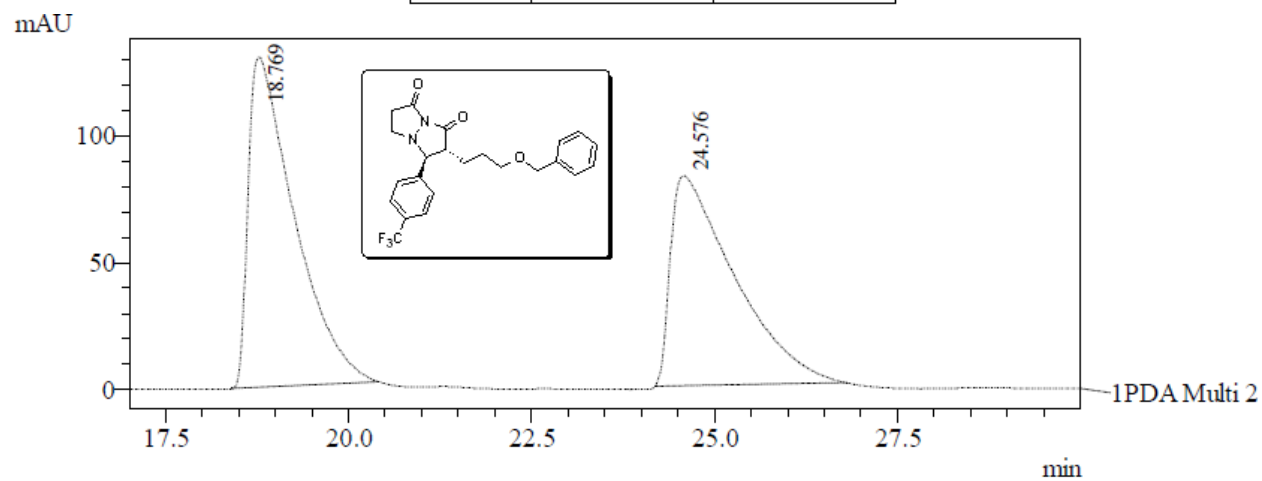


1 PDA Multi 2 / 230nm 4mm

PeakTable

PDA Ch2 230nm 4mm

Peak#	Ret. Time	Area %
1	19.248	99.188
2	26.315	0.812
Total		100.000



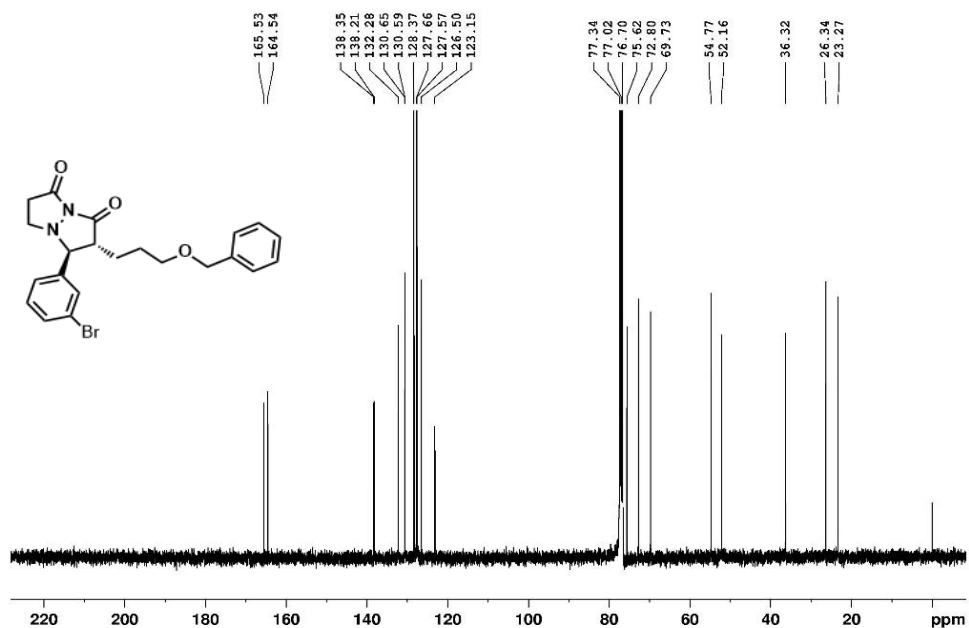
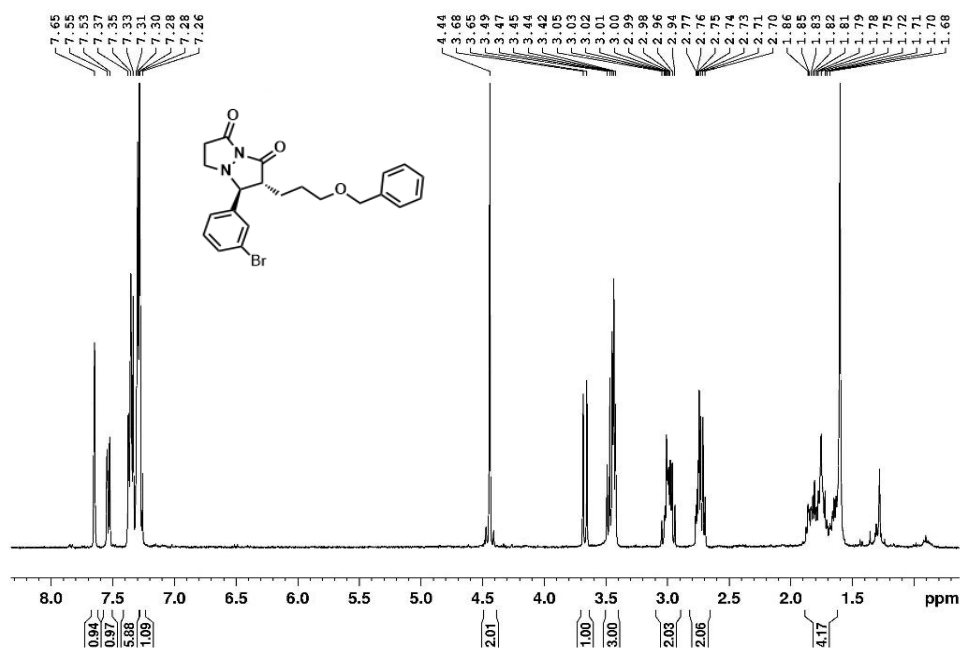
1 PDA Multi 2 / 230nm 4mm

PeakTable

PDA Ch2 230nm 4mm

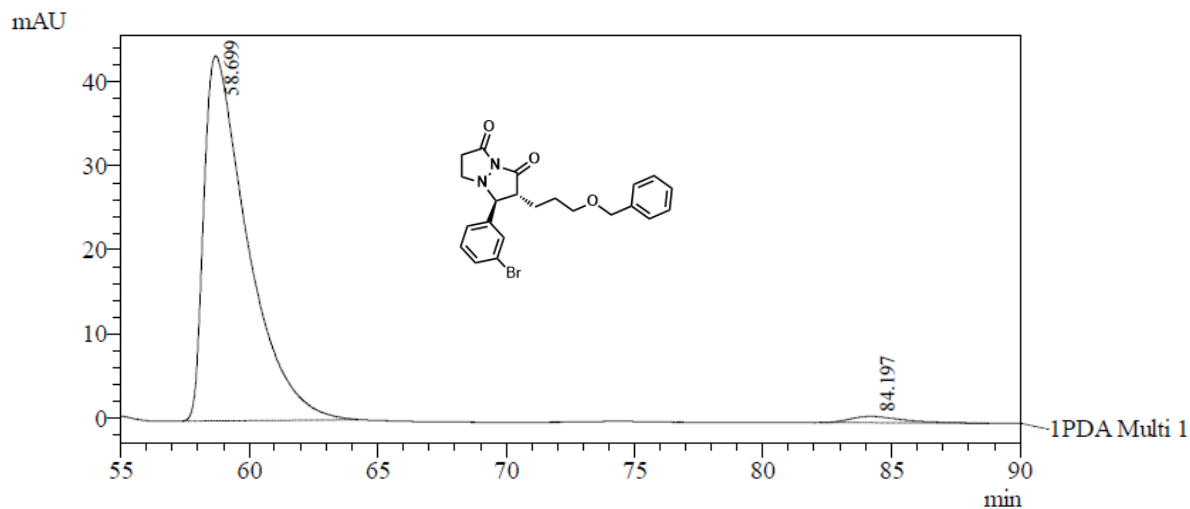
Peak#	Ret. Time	Area %
1	18.769	53.169
2	24.576	46.831
Total		100.000

(2*R*,3*S*)-2-(3-(benzyloxy)propyl)-3-(3-bromophenyl)tetrahydropyrazolo[1,2-*a*]pyrazole-1,7-dione (3l)



HPLC Spectra

(2R,3S)-2-(3-(benzyloxy)propyl)-3-(3-bromophenyl)tetrahydropyrazolo[1,2-a]pyrazole-1,7-dione (3I)

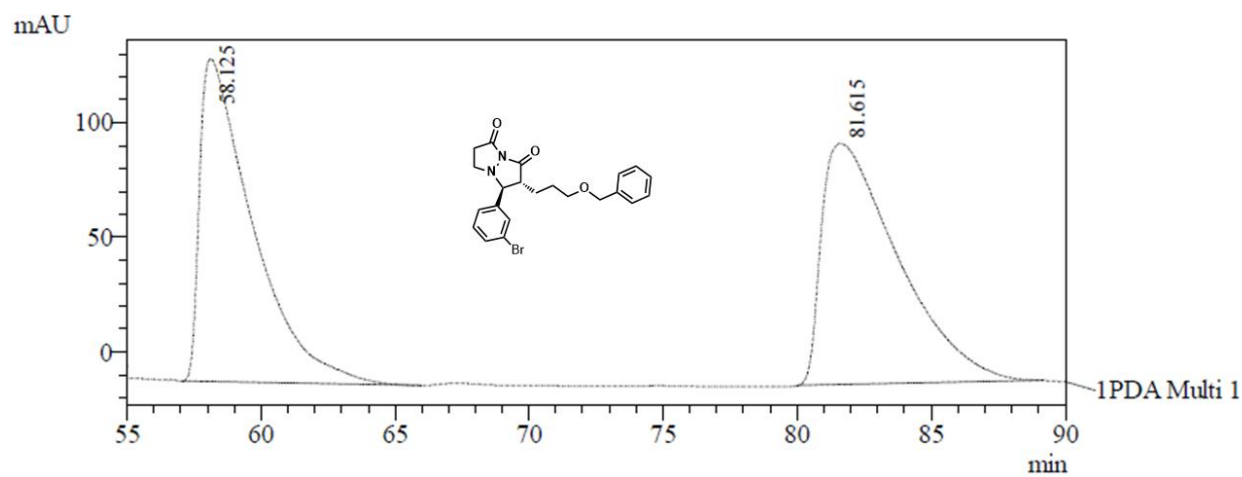


1 PDA Multi 1 / 220nm 4mm

PeakTable

PDA Ch1 220nm 4mm

Peak#	Ret. Time	Area %
1	58.699	97.974
2	84.197	2.026
Total		100.000



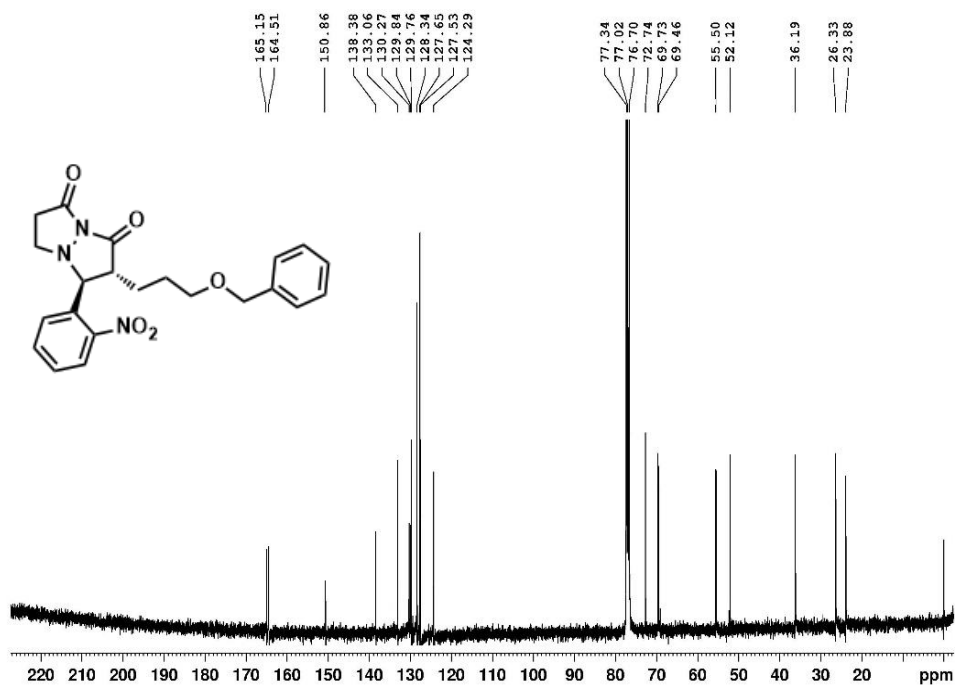
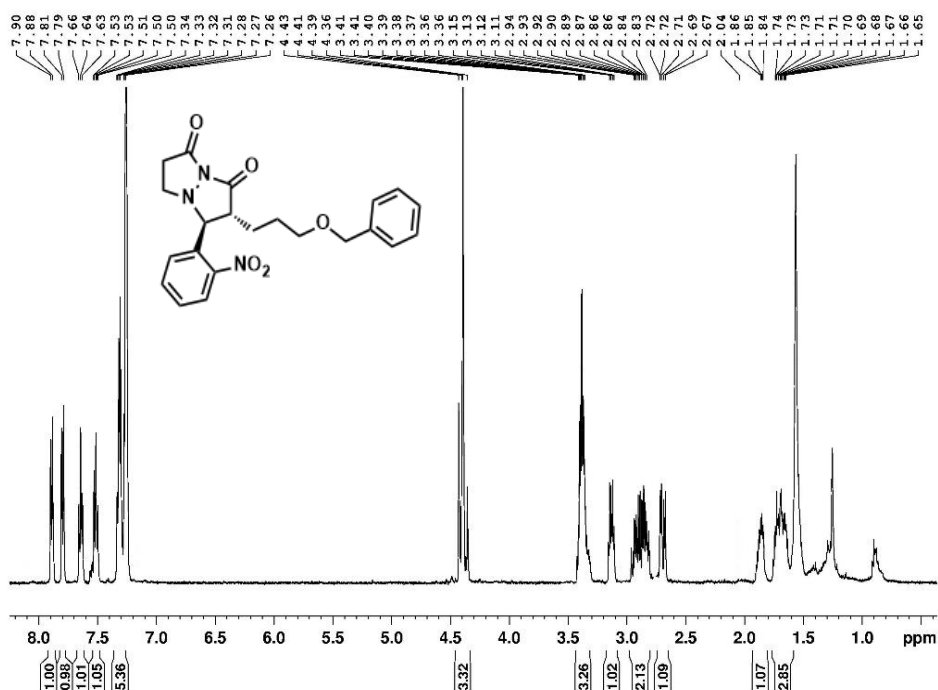
1 PDA Multi 1 / 220nm 4mm

PeakTable

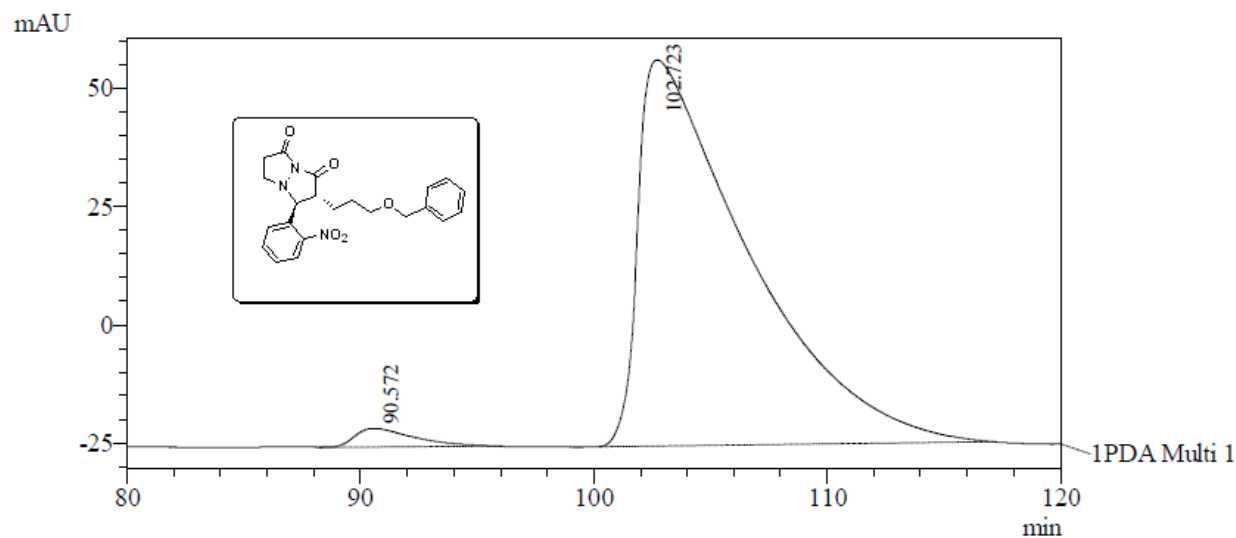
PDA Ch1 220nm 4mm

Peak#	Ret. Time	Area %
1	58.125	48.045
2	81.615	51.955
Total		100.000

(2*R*,3*S*)-2-(3-(benzyloxy)propyl)-3-(2-nitrophenyl)tetrahydropyrazolo[1,2-*a*]pyrazole-1,7-dione (3m)



(2R,3S)-2-(3-(benzyloxy)propyl)-3-(2-nitrophenyl)tetrahydropyrazolo[1,2-a]pyrazole-1,7-dione (3m)

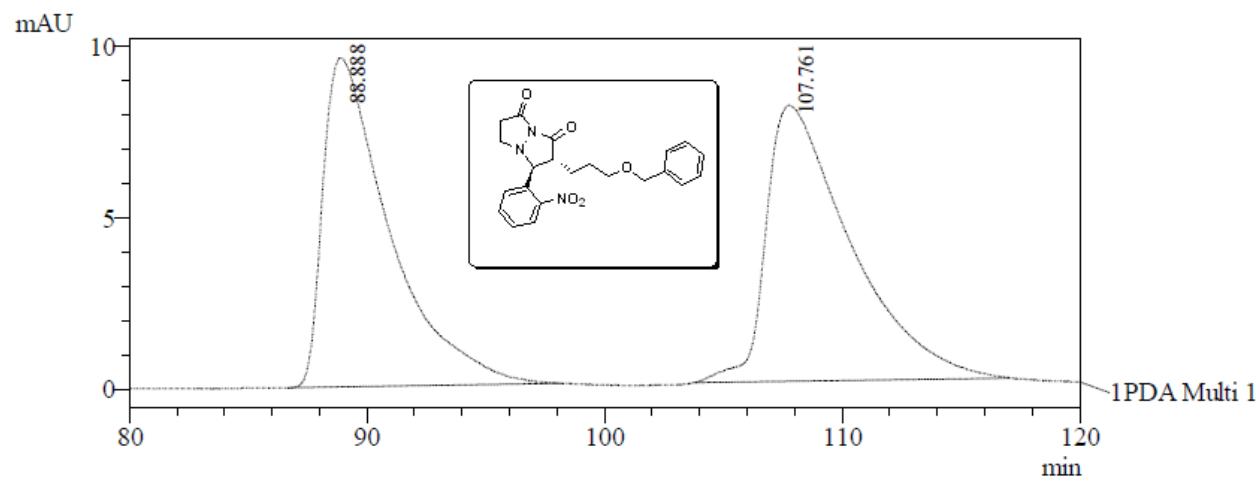


1 PDA Multi 1 / 220nm 4mm

PeakTable

PDA Ch1 220nm 4mm

Peak#	Ret. Time	Area %
1	90.572	2.495
2	102.723	97.505
Total		100.000



1 PDA Multi 1 / 220nm 4mm

PeakTable

PDA Ch1 220nm 4mm

Peak#	Ret. Time	Area %
1	88.888	48.522
2	107.761	51.478
Total		100.000