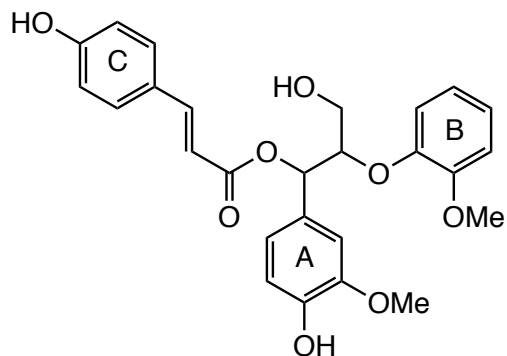


Compound Number 1001

¹³C



threo

3-(4-Hydroxyphenyl)acrylic acid 3-hydroxy-1-(4-hydroxy-3-methoxyphenyl)-2-(2-methoxyphenoxy)propyl ester

¹H (acetone)

Atom	H Shifts	Mult	J
γ1	3.51	dd	7.2, 5.3
γ2	3.68	dd	7.2, 3.7
β	4.58	m	
α	6.16	d	7.3
C β	6.30	d	16.0
C α	7.51	d	15.6

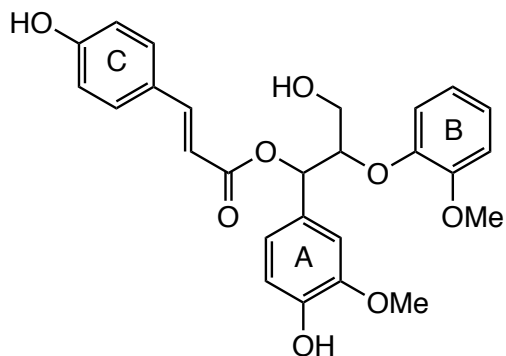
Notes:

R. Helm

Atom	CDCl ₃	Acetone	DMSO	
OMe		56.25		
OMe		56.31		
γ		61.76		
α		75.88		
β		85.20		
A2		112.04		
B2		113.58		
A5		115.58		
C β		115.81		
C3		116.64		
C5		116.64		
B5		119.36		
A6		121.23		
B6		121.78		
B1		123.24		
C1		127.04		
A1		130.16		
C2		130.91		
C6		130.91		
C α		145.39		
A4		147.48		
A3		148.18		
B4		149.82		
B3		151.87		
C4		160.48		
C γ		166.51		

Compound Number 1002

¹³C



erythro

3-(4-Hydroxyphenyl)acrylic acid 3-hydroxy-1-(4-hydroxy-3-methoxyphenyl)-2-(2-methoxyphenoxy)propyl ester

¹H (acetone)

Atom	H Shifts	Mult	J
γ1	3.68	dd	11.7, 4.8
γ2	3.79	dd	11.8, 5.7
β	4.66	m	
α	6.12	d	4.8
C β	6.35	d	16.0
C α	7.56	d	16.0

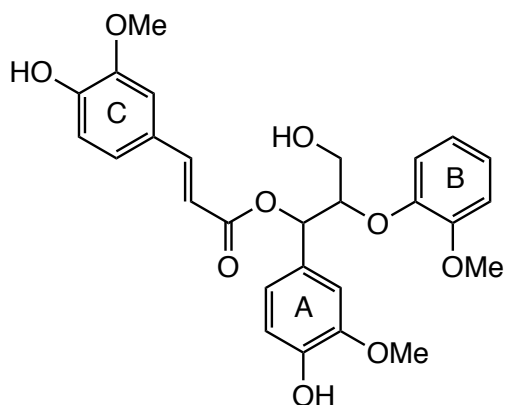
Notes:

R. Helm

Atom	CDCl ₃	Acetone	DMSO	
OMe		56.29		
OMe		56.29		
γ		61.49		
α		75.08		
β		84.09		
A2		112.57		
B2		113.67		
A5		115.21		
C β		115.62		
C3		116.67		
C5		116.67		
B5		119.18		
B6		121.75		
A6		121.79		
B1		123.31		
C1		126.97		
A1		129.64		
C2		130.96		
C6		130.96		
C α		145.65		
A4		147.35		
A3		147.99		
B4		149.22		
B3		151.86		
C4		160.59		
C γ		166.32		

Compound Number 1003

¹³C



threo

3-(4-Hydroxy-3-methoxyphenyl)acrylic acid 3-hydroxy-1-(4-hydroxy-3-methoxyphenyl)-2-(2-methoxyphenoxy)propyl ester

¹H (acetone)

Atom	H Shifts	Mult	J
γ1	3.52	dd	11.9, 5.3
γ2	3.69	dd	11.9, 3.8
β	4.58	m	
α	6.16	d	2.3
C β	6.34	d	15.9
C α	7.49	d	15.9

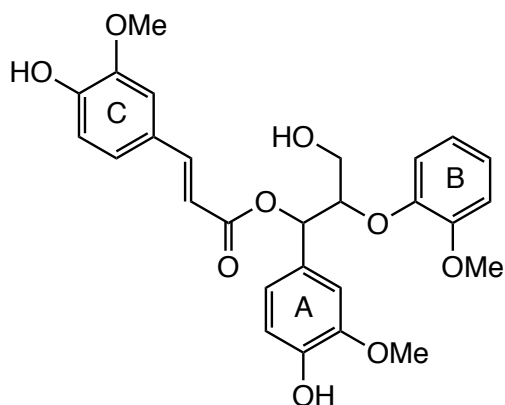
Notes:

R. Helm

Atom	CDCl ₃	Acetone	DMSO	
OMe		56.22		
OMe		56.31		
OMe		56.31		
γ		61.74		
α		75.87		
β		85.13		
C2		111.26		
A2		112.04		
B2		113.54		
A5		115.59		
C β		115.99		
C5		116.03		
B5		119.25		
A6		121.20		
B6		121.76		
B1		123.21		
C6		123.91		
C1		127.44		
A1		130.15		
C α		145.77		
A4		147.50		
A3		148.19		
C3		148.70		
B4		149.78		
C4		150.02		
B3		151.82		
C γ		166.55		

Compound Number 1004

¹³C



erythro

3-(4-Hydroxy-3-methoxyphenyl)acrylic acid 3-hydroxy-1-(4-hydroxy-3-methoxyphenyl)-2-(2-methoxyphenoxy)propyl ester

¹H (acetone)

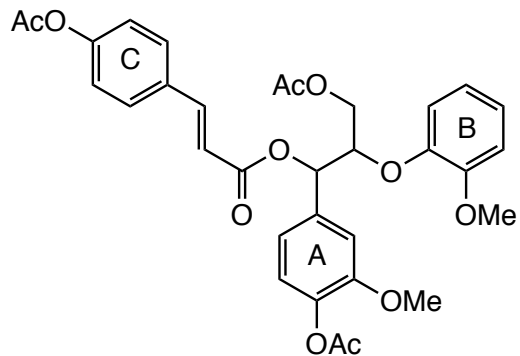
Atom	H Shifts	Mult	J
γ 1	3.60	dd	11.7, 4.8
γ 2	3.79	dd	11.5, 5.8
β	4.67	m	
α	6.13	d	4.8
C β	6.39	d	15.9
C α	7.55	d	15.9

Notes:

R. Helm
CDCl₃ column is D₂O/Acetone-d₆

Atom	CDCl ₃	Acetone	DMSO	
	Acet /D ₂ O			
OMe	56.30	56.28		
OMe	56.31	56.30		
OMe	56.33	56.32		
γ	61.38	61.48		
α	75.10	75.09		
β	84.00	84.02		
C2	111.32	111.29		
A2	112.64	112.60		
B2	113.68	113.66		
A5	115.17	115.22		
Cβ	115.84	115.83		
C5	116.01	116.04		
B5	119.07	119.10		
B6	121.77	121.96		
A6	121.82	121.80		
B1	123.28	123.30		
C6	124.00	123.99		
C1	127.40	127.40		
A1	129.62	129.63		
C α	146.02	146.02		
A4	147.32	147.36		
A3	147.97	147.98		
C3	148.72	148.71		
B4	149.23	149.19		
C4	150.08	150.09		
B3	151.85	151.84		
C γ	166.35	166.34		

Compound Number 1005

¹³C*threo*

3-(4-Acetoxyphenyl)acrylic acid 3-acetoxy-1-(4-acetoxy-3-methoxyphenyl)-2-(2-methoxyphenoxy)propyl ester

¹H (acetone)

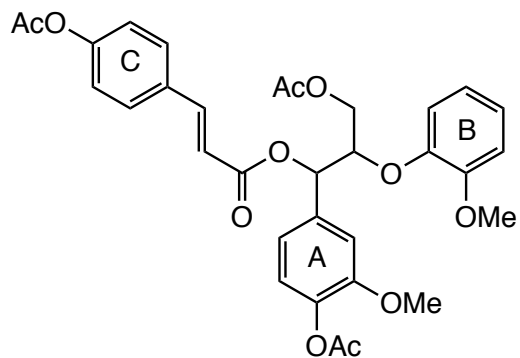
Atom	H Shifts	Mult	J
γ1	4.08	dd	11.9, 5.6
γ2	4.31	dd	11.9, 4.1
β	4.89	m	
α	6.24	d	6.6
C β	6.52	d	16.0
C α	7.63	d	16.0

Notes:

R. Helm

Atom	CDCl ₃	Acetone	DMSO	
Ac Me		20.44		
Ac Me		20.60		
Ac Me		20.94		
OMe		56.16		
OMe		56.32		
γ		63.70		
α		75.81		
β		80.87		
A2		112.71		
B2		113.66		
Cβ		118.76		
B5		119.33		
A6		120.31		
B6		121.65		
C3		123.21		
C5		123.21		
A5		123.61		
B1		123.78		
C2		130.22		
C6		130.22		
C1		132.82		
A1		136.74		
A4		140.95		
C α		144.91		
B4		149.12		
B3		151.89		
A3		152.24		
C4		153.52		
C γ		165.90		
Ac C=O		168.86		
Ac C=O		169.42		
Ac C=O		170.69		

Compound Number 1006

¹³C*erythro*

3-(4-Acetoxyphenyl) acrylic acid 3-acetoxy-1-(4-acetoxy-3-methoxyphenyl)-2-(2-methoxyphenoxy) propyl ester

¹H (acetone)

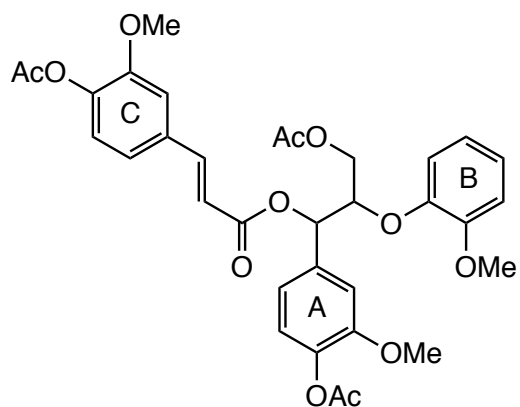
Atom	H Shifts	Mult	J
γ 1	4.29	dd	11.9, 4.4
γ2	4.41	dd	11.9, 6.1
β	4.93	m	
α	6.22	d	4.7
C β	6.61	d	16.1
C α	7.71	d	16.1

Notes:

R. Helm

Atom	CDCl ₃	Acetone	DMSO	
Ac Me		20.45		
Ac Me		20.61		
Ac Me		20.94		
OMe		56.22		
OMe		56.30		
γ		63.16		
α		74.96		
β		80.44		
A2		112.79		
B2		113.80		
C β		118.67		
B5		119.89		
A6		120.45		
B6		121.68		
C3		123.24		
C5		123.24		
A5		123.40		
B1		124.08		
C2		130.28		
C6		130.28		
C1		132.82		
A1		136.63		
A4		140.83		
C α		145.12		
B4		148.39		
B3		152.06		
A3		152.14		
C4		153.58		
C γ		165.79		
Ac C=O		168.89		
Ac C=O		169.42		
Ac C=O		170.75		

Compound Number 1007

¹³C*threo*

3-(4-Acetoxy-3-methoxyphenyl) acrylic acid 3-acetoxy-1-(4-acetoxy-3-methoxyphenyl)-2-(2-methoxyphenoxy) propyl ester

¹H (acetone)

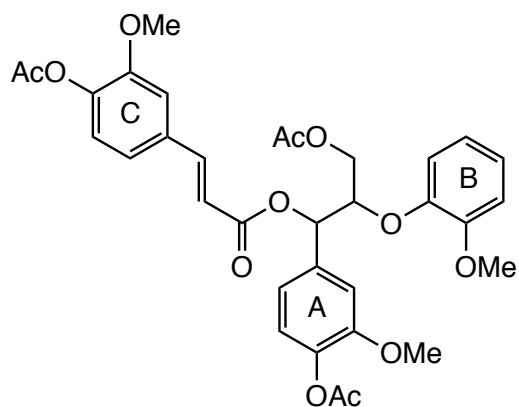
Atom	H Shifts	Mult	J
γ1	4.09	dd	11.9, 5.6
γ2	4.30	dd	11.9, 4.1
β	4.89	m	
α	6.24	d	6.5
C β	6.56	d	
C α	7.60	d	15.8

Notes:

R. Helm
16mg

Atom	CDCl ₃	Acetone	DMSO	
Ac Me		20.44		
Ac Me		20.44		
Ac Me		20.60		
OMe		56.16		
OMe		56.32		
OMe		56.40		
γ		63.70		
α		75.82		
β		80.88		
C2		112.42		
A2		112.72		
B2		113.65		
C β		118.85		
B5		119.30		
A6		120.30		
B6		121.65		
C6		122.27		
A5		123.61		
B1		123.77		
C5		124.12		
C1		134.15		
A1		136.77		
A4		140.95		
C4		142.76		
C α		145.36		
B4		149.13		
B3		151.88		
A3		152.24		
C3		152.67		
C γ		165.96		
Ac C=O		168.79		
Ac C=O		168.86		
Ac C=O		170.69		

Compound Number 1008

¹³C*erythro*

3-(4-Acetoxy-3-methoxyphenyl) acrylic acid 3-acetoxy-1-(4-acetoxy-3-methoxyphenyl)-2-(2-methoxyphenoxy) propyl ester

¹H (acetone)

Atom	H Shifts	Mult	J
γ1	4.28	dd	11.8, 4.4
γ2	4.40	dd	11.8, 6.1
β	4.96	m	
α	6.22	d	4.7
C α	6.65	d	16.0
C β	7.68	d	16.0

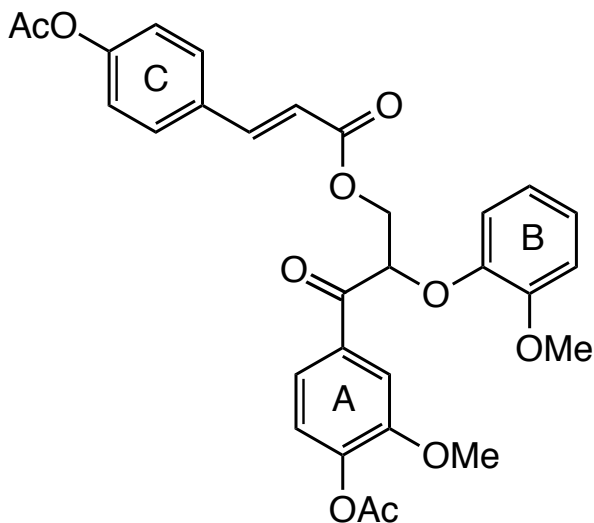
Notes:

R. Helm
19mg
Acetone run at 300 K

Atom	CDCl ₃	Acetone	DMSO	
Ac Me		20.44		
Ac Me		20.44		
Ac Me		20.61		
OMe		56.22		
OMe		56.30		
OMe		56.41		
γ		63.16		
α		74.97		
β		80.39		
C2		112.46		
A2		112.79		
B2		113.79		
C β		118.75		
B5		119.85		
A6		120.43		
B6		121.68		
C6		122.35		
A5		123.41		
B1		124.08		
C5		124.14		
C1		134.13		
A1		136.61		
A4		140.83		
C4		142.82		
C α		145.57		
B4		148.37		
B3		152.05		
A3		152.14		
C3		152.69		
C γ		165.89		
Ac C=O		168.79		
Ac C=O		168.90		
Ac C=O		170.76		

Compound Number 1009

¹³C



3-(4-Acetoxyphenyl) acrylic acid 3-(4-acetoxy-3-methoxyphenyl)-2-(2-methoxyphenoxy)-3-oxopropyl ester

¹H (acetone)

Atom	H Shifts	Mult	J
γ1	4.62	dd	12.0, 6.5
γ2	4.81	dd	12.0, 3.8
β	5.91	dd	6.5, 3.8
C β	6.48	d	16.0
C α	7.60	d	16.0

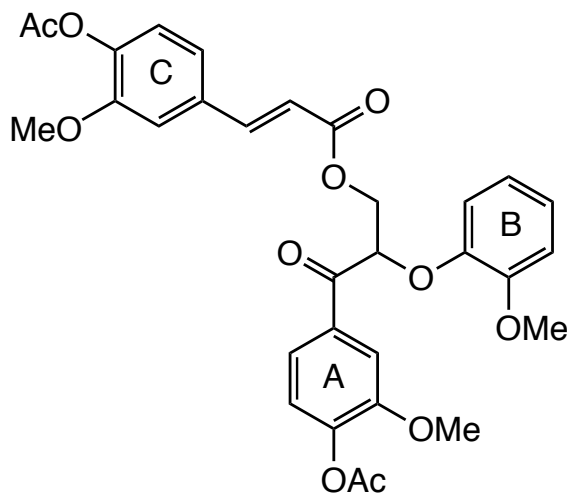
Notes:

R. Helm
25.5mg
acetone-d6 at 300 K

Atom	CDCl ₃	Acetone	DMSO	
Ac Me		20.45		
Ac Me		20.94		
OMe		56.10		
OMe		56.42		
γ		64.97		
β		80.56		
A2		113.46		
B2		113.84		
C β		118.32		
B5		118.69		
B6		121.64		
A6		122.88		
C3		123.24		
C5		123.24		
A5		124.02		
B1		124.07		
C2		130.27		
C6		130.27		
C1		132.68		
A1		134.86		
C α		145.09		
A4		145.34		
B4		147.84		
B3		151.42		
A3		152.49		
C4		153.58		
C γ		166.76		
Ac C=O		168.58		
Ac C=O		169.42		
α		195.13		

Compound Number 1010

¹³C



3-(4-Acetoxy-3-methoxyphenyl) acrylic acid 3-(4-acetoxy-3-methoxyphenyl)-2-(2-methoxyphenoxy)-3-oxopropyl ester

¹H (acetone)

Atom	H Shifts	Mult	J
γ1	4.61	dd	12.0, 6.5
γ2	4.81	dd	12.0, 3.8
β	5.91	dd	6.5, 3.8
Cβ	6.52	d	16.0
C α	7.58	d	16.0

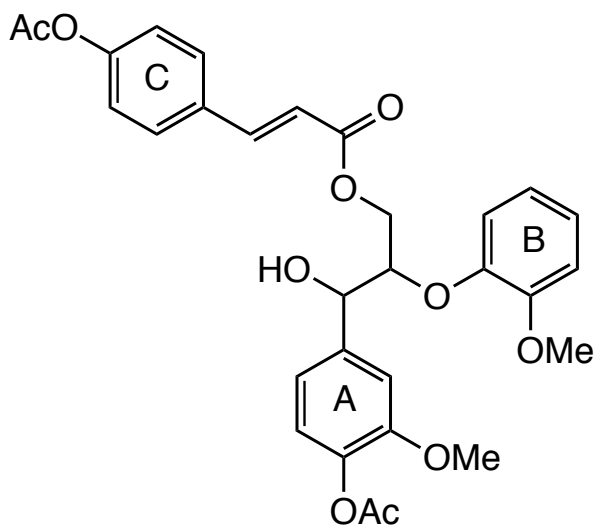
Notes:

R. Helm
25mg
300k, acetone-d6

Atom	CDCl ₃	Acetone	DMSO	
Ac Me		20.44		
Ac Me		20.44		
OMe		56.10		
OMe		56.40		
OMe		56.43		
γ		64.93		
β		80.54		
C2		112.41		
A2		113.48		
B2		113.83		
C β		118.44		
B5		118.62		
B6		121.64		
C6		122.35		
A6		122.87		
A5		124.03		
B1		124.06		
C5		124.15		
C1		134.01		
A1		134.85		
C4		142.83		
A4		145.35		
C α		145.50		
B4		147.82		
B3		151.40		
A3		152.50		
C3		152.69		
C γ		166.81		
Ac C=O		168.58		
Ac C=O		168.80		
α		195.11		

Compound Number 1011

¹³C



3-(4-Acetoxyphenyl) acrylic acid 3-(4-acetoxy-3-methoxyphenyl)-3-hydroxy-2-(2-methoxyphenoxy) propyl ester

¹H (acetone)

Atom	H Shifts	Mult	J
α	5.08	d	4.3
α OH	4.75		
β	4.64	m	
γ1	4.17	dd	11.9, 6.3
γ2	4.44	dd	11.9, 3.7
C β	6.46	d	16.1
C α	7.54	d	16.0

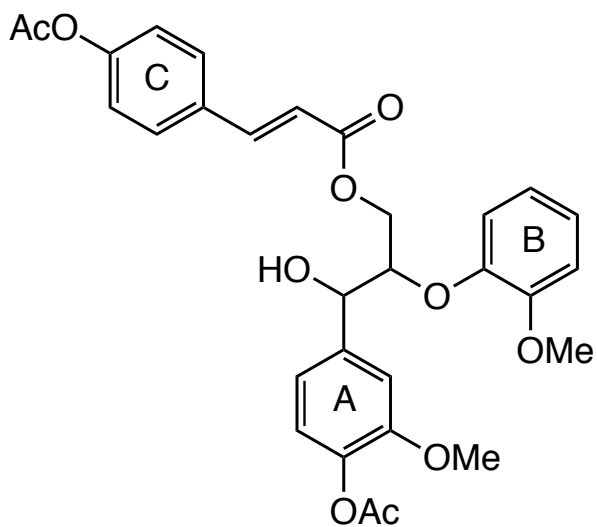
Notes:

R. Helm

Atom	CDCl ₃	Acetone	DMSO	
γ		64.28		
α		73.58		
β		83.80		
C β		118.73		
C α		144.57		
C γ		166.68		

Compound Number 1012

¹³C



erythro

3-(4-Acetoxyphenyl) acrylic acid 3-(4-acetoxy-3-methoxyphenyl)-3-hydroxy-2-(2-methoxyphenoxy) propyl ester

¹H (acetone)

Atom	H Shifts	Mult	J
α	5.09	d	4.4
α OH	4.80		
β	4.70	m	
γ1	4.45	dd	11.8, 3.7
γ2	4.52	dd	11.8, 6.3
C β	6.41	d	16.1
C α	7.50	d	16.1

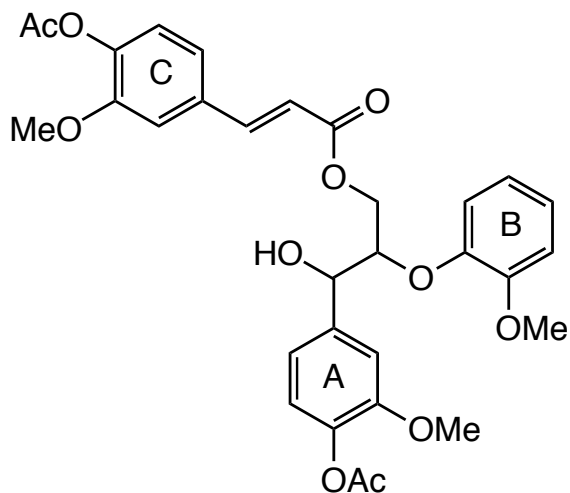
Notes:

R. Helm

Atom	CDCl ₃	Acetone	DMSO	
γ		63.95		
α		73.16		
β		83.22		
C β		118.83		
C α		144.36		
C γ		166.79		

Compound Number 1013

¹³C



threo

3-(4-Acetoxy-3-methoxyphenyl) acrylic acid 3-(4-acetoxy-3-methoxyphenyl)-3-hydroxy-2-(2-methoxyphenoxy) propyl ester

¹H (acetone)

Atom	H Shifts	Mult	J
α	5.08	d	4.2
α OH	4.75		
β	4.64	m	
γ1	4.17	dd	11.9, 6.2
γ2	4.44	dd	11.9, 3.7
Cβ	6.49	d	16.0
C α	7.51	d	16.0

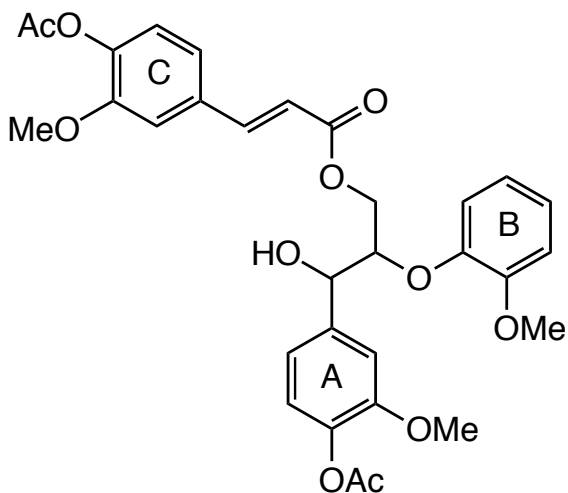
Notes:

R. Helm

Atom	CDCl ₃	Acetone	DMSO	
γ		64.27		
α		73.56		
β		83.73		
C β		118.81		
C α		144.94		
C γ		166.72		

Compound Number 1014

¹³C



3-(4-Acetoxy-3-methoxyphenyl) acrylic acid 3-(4-acetoxy-3-methoxyphenyl)-3-hydroxy-2-(2-methoxyphenoxy) propyl ester

¹H (acetone)

Atom	H Shifts	Mult	J
α	5.08	d	4.4
α OH	4.79		
β	4.70	m	
γ1	4.45	dd	11.8, 3.7
γ2	4.58	dd	11.8, 6.2
C β	6.44	d	16.0
C α	7.47	d	16.0

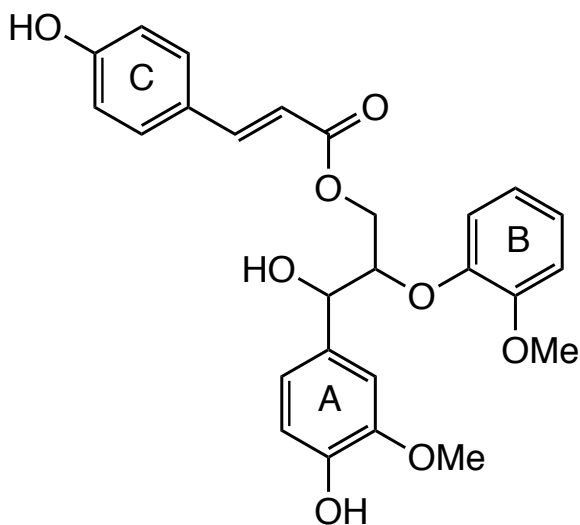
Notes:

R. Helm

Atom	CDCl ₃	Acetone	DMSO	
γ		63.93		
α		73.14		
β		83.18		
C β		118.91		
C α		144.79		
C γ		166.83		

Compound Number 1015

¹³C



threo

3-(4-Hydroxyphenyl) acrylic acid 3-hydroxy-3-(4-hydroxy-3-methoxyphenyl)-2-(2-methoxyphenoxy) propyl ester

¹H (acetone)

Atom	H Shifts	Mult	J
γ1	4.10	dd	12.0, 6.2
γ2	4.36	dd	12.0, 3.5
β	4.56	m	
α OH	4.59	d	3.9
α	4.97	dd	6.2, 3.9
C β	6.29	d	16.0
C α	7.47	d	16.0

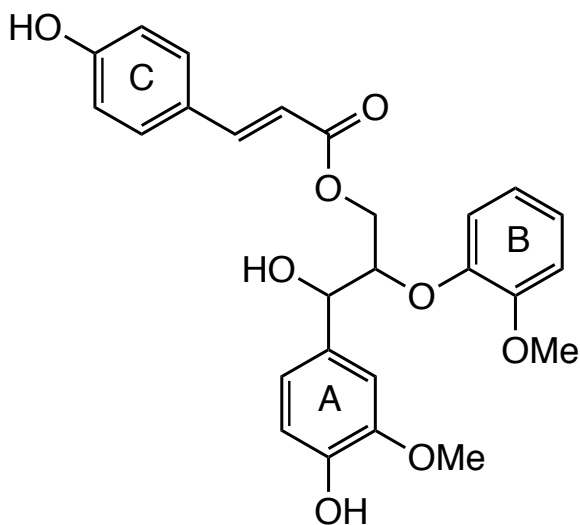
Notes:

R. Helm

Atom	CDCl ₃	Acetone	DMSO	
OMe		56.19		
OMe		56.25		
γ		64.18		
α		73.95		
β		84.52		
A2		111.46		
B2		113.59		
C β		115.22		
A5		115.34		
C3		116.66		
C5		116.66		
B5		119.42		
A6		120.56		
B6		121.81		
B1		123.55		
C1		126.89		
C2		130.94		
C6		130.94		
A1		133.16		
C α		145.57		
A4		147.02		
A3		148.09		
B4		149.36		
B3		151.79		
C4		160.63		
C γ		167.15		

Compound Number 1016

¹³C



erythro

3-(4-Hydroxyphenyl) acrylic acid 3-hydroxy-3-(4-hydroxy-3-methoxyphenyl)-2-(2-methoxyphenoxy) propyl ester

¹H (acetone)

Atom	H Shifts	Mult	J
γ1	4.39	dd	11.8, 3.6
γ2	4.46	dd	11.8, 6.6
β	4.66	m	
α	4.91	d	4.9
C β	6.24	d	16.0
C α	7.42	d	16.0

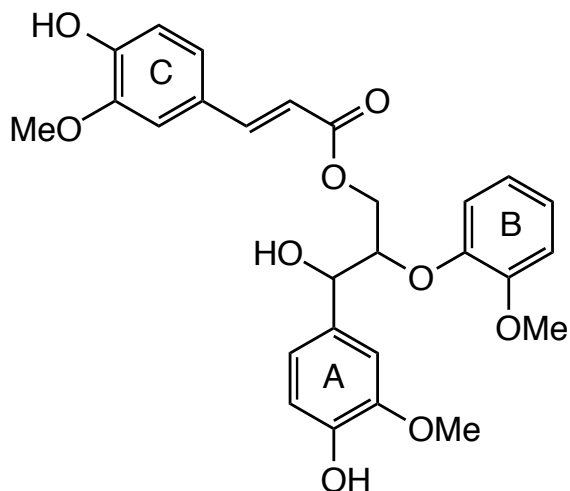
Notes:

R. Helm

Atom	CDCl ₃	Acetone	DMSO	
OMe		56.20		
OMe		56.22		
γ		63.98		
α		73.28		
β		83.54		
A2		111.20		
B2		113.64		
C β		115.24		
A5		115.34		
C3		116.64		
C5		116.64		
B5		119.67		
A6		120.32		
B6		121.71		
B1		123.51		
C1		126.91		
C2		130.88		
C6		130.88		
A1		133.59		
C α		145.39		
A4		146.72		
A3		148.02		
B4		148.86		
B3		152.02		
C4		160.52		
C γ		167.28		

Compound Number 1017

¹³C



threo

3-(4-Hydroxy-3-methoxyphenyl) acrylic acid 3-hydroxy-3-(4-hydroxy-3-methoxyphenyl)-2-(2-methoxyphenoxy) propyl ester

¹H (acetone)

Atom	H Shifts	Mult	J
α	4.96	d	6.3
β	4.56	m	
γ2	4.36	dd	12.0, 3.5
γ1	4.10	dd	12.0, 6.2
C β	6.33	d	16.0
C α	7.45	d	16.0

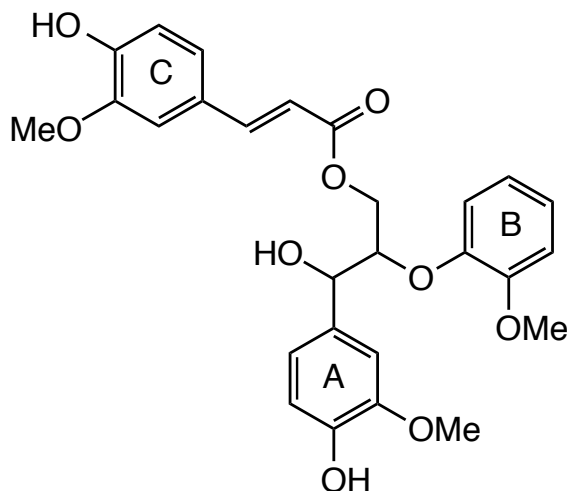
Notes:

R. Helm

Atom	CDCl ₃	Acetone	DMSO	
OMe		56.20		
OMe		56.26		
OMe		56.32		
γ		64.16		
α		73.94		
β		84.48		
C2		111.37		
A2		111.46		
B2		113.60		
A5		115.33		
C β		115.47		
C5		116.05		
B5		119.39		
A6		120.56		
B6		121.81		
B1		123.54		
C6		123.90		
C1		127.35		
A1		133.16		
C α		145.91		
A4		147.01		
A3		148.08		
C3		148.71		
B4		149.36		
C4		150.09		
B3		151.80		
C γ		167.14		

Compound Number 1018

¹³C



erythro

3-(4-Hydroxy-3-methoxyphenyl) acrylic acid 3-hydroxy-3-(4-hydroxy-3-methoxyphenyl)-2-(2-methoxyphenoxy) propyl ester

¹H (acetone)

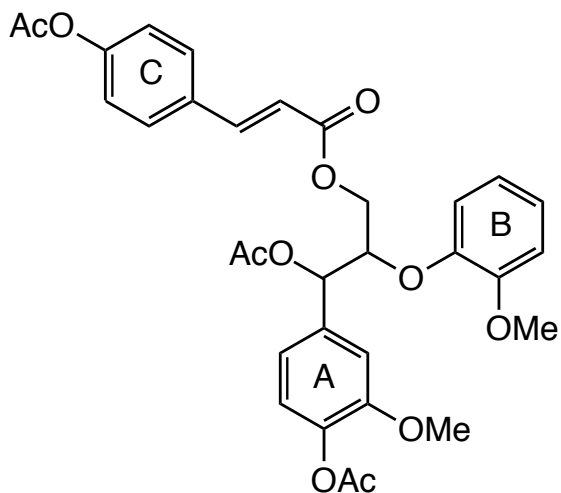
Atom	H Shifts	Mult	J
γ1	4.40	dd	3.7,
γ2	4.46	dd	6.7,
β	4.66	m	
α	4.97	d	4.9
C α	6.28	d	15.9
C β	7.40	d	15.9

Notes:

R. Helm
27mg
300K, acetone-d6

Atom	CDCl ₃	Acetone	DMSO	
OMe		56.23		
OMe		56.23		
OMe		56.31		
γ		63.94		
α		73.26		
β		83.57		
A2		111.21		
C2		111.29		
B2		113.66		
A5		115.25		
C β		115.59		
C5		116.03		
B5		119.63		
A6		120.31		
B6		121.73		
B1		123.49		
C6		123.86		
C1		127.37		
A1		133.63		
C α		145.74		
A4		146.74		
A3		148.05		
C3		148.70		
B4		148.86		
C4		150.04		
B3		152.04		
C γ		167.28		

Compound Number 1019

¹³C

3-(4-acetoxyphe-nyl) acrylic acid 3-acetoxy-3-(4-acetoxy-3-methoxyphenyl)-2-(2-methoxyphenoxy) propyl ester

¹H (acetone)

Atom	H Shifts	Mult	J
γ1	4.17	dd	5.6,
γ2	4.40	dd	4.0,
β	4.88	m	
α	6.18	d	6.5
C β	6.51	d	16.0
C α	7.57	d	16.1

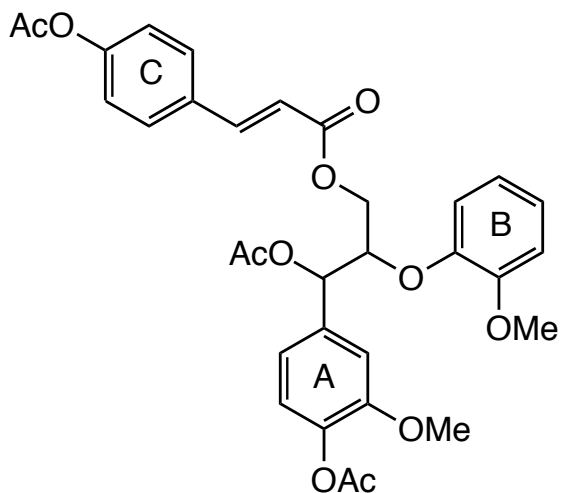
Notes:

R. Helm
18mg

Atom	CDCl ₃	Acetone	DMSO	
Ac Me		20.45		
Ac Me		20.94		
Ac Me		20.94		
OMe		56.20		
OMe		56.28		
γ		63.94		
α		75.54		
β		80.89		
A2		112.70		
B2		113.73		
C β		118.57		
B5		119.36		
A6		120.32		
B6		121.69		
C3		123.21		
C5		123.21		
A5		123.59		
B1		123.81		
C2		130.25		
C6		130.25		
C1		132.81		
A1		136.71		
A4		140.91		
C α		144.75		
B4		149.12		
B3		151.90		
A3		152.22		
C4		153.52		
C γ		166.61		
Ac C=O		168.87		
Ac C=O		169.43		
Ac C=O		170.02		

Compound Number 1020

¹³C



erythro

3-(4-acetoxyphenyl) acrylic acid 3-acetoxy-3-(4-acetoxy-3-methoxyphenyl)-2-(2-methoxyphenoxy) propyl ester

¹H (acetone)

Atom	H Shifts	Mult	J
γ1	4.40	dd	11.9, 4.2
γ2	4.48	dd	11.9, 5.9
β	4.92	m	
α	6.13	d	5.1
C β	6.45	d	16.0
C α	7.56	d	16.1

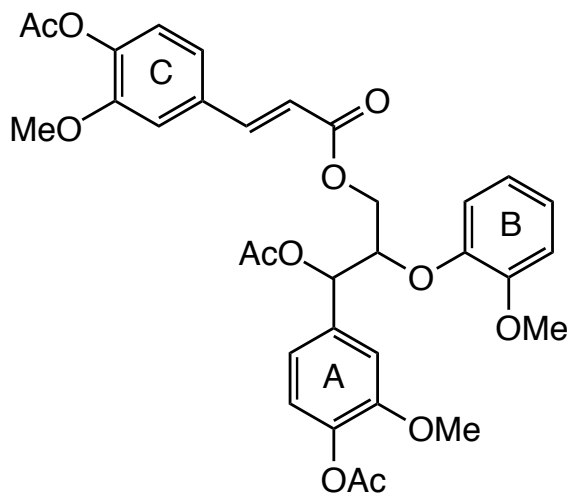
Notes:

R. Helm

Atom	CDCl ₃	Acetone	DMSO	
Ac Me		20.46		
Ac Me		20.89		
Ac Me		20.94		
OMe		56.19		
OMe		56.26		
γ		63.33		
α		74.71		
β		80.52		
A2		112.74		
B2		113.76		
C β		118.54		
B5		119.99		
A6		120.44		
B6		121.64		
C3		123.20		
C5		123.20		
A5		123.37		
B1		124.10		
C2		130.21		
C6		130.21		
C1		132.78		
A1		136.73		
A4		140.77		
C α		144.71		
B4		148.30		
B3		152.09		
A3		152.11		
C4		153.49		
C γ		166.60		
Ac C=O		168.89		
Ac C=O		169.41		
Ac C=O		169.92		

Compound Number 1021

¹³C



3-(4-acetoxyphenyl) acrylic acid 3-acetoxy-3-(4-acetoxy-3-methoxyphenyl)-2-(2-methoxyphenoxy) propyl ester

¹H (acetone)

Atom	H Shifts	Mult	J
γ1	4.16	dd	12.0, 5.6
γ2	4.40	dd	12.0, 3.9
β	4.88	m	
α	6.18	d	6.6
C β	6.55	d	16.0
C α	7.54	d	16.0

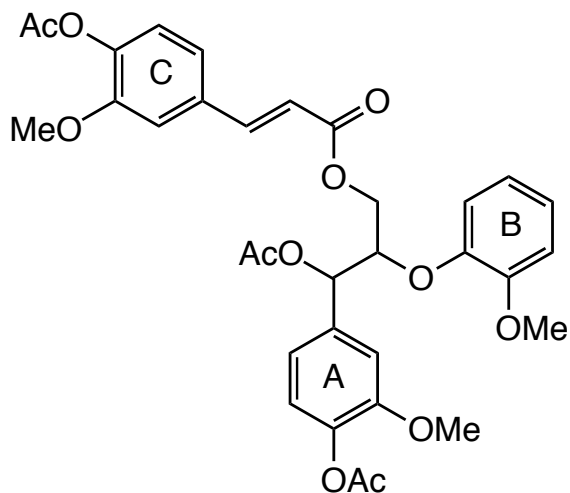
Notes:

R. Helm
18.5mg
300K

Atom	CDCl ₃	Acetone	DMSO	
Ac Me		20.45		
Ac Me		20.45		
Ac Me		20.95		
OMe		56.20		
OMe		56.29		
OMe		56.42		
γ		63.96		
α		75.57		
β		80.88		
C2		112.45		
A2		112.69		
B2		113.73		
C β		118.64		
B5		119.33		
A6		120.32		
B6		121.69		
C6		122.30		
A5		123.60		
B1		123.80		
C5		124.12		
C1		134.13		
A1		136.69		
A4		140.92		
C4		142.76		
C α		145.20		
B4		149.10		
B3		151.89		
A3		152.23		
C3		152.68		
C γ		166.68		
Ac C=O		168.82		
Ac C=O		168.89		
Ac C=O		170.05		

Compound Number 1022

¹³C



erythro

3-(4-acetoxyphenyl) acrylic acid 3-acetoxy-3-(4-acetoxy-3-methoxyphenyl)-2-(2-methoxyphenoxy) propyl ester

¹H (acetone)

Atom	H Shifts	Mult	J
γ1	4.40	dd	11.9, 4.2
γ2	4.49	dd	11.9, 5.9
β	4.92	m	
α	6.13	d	5.1
C β	6.48	d	16.0
C α	7.53	d	16.0

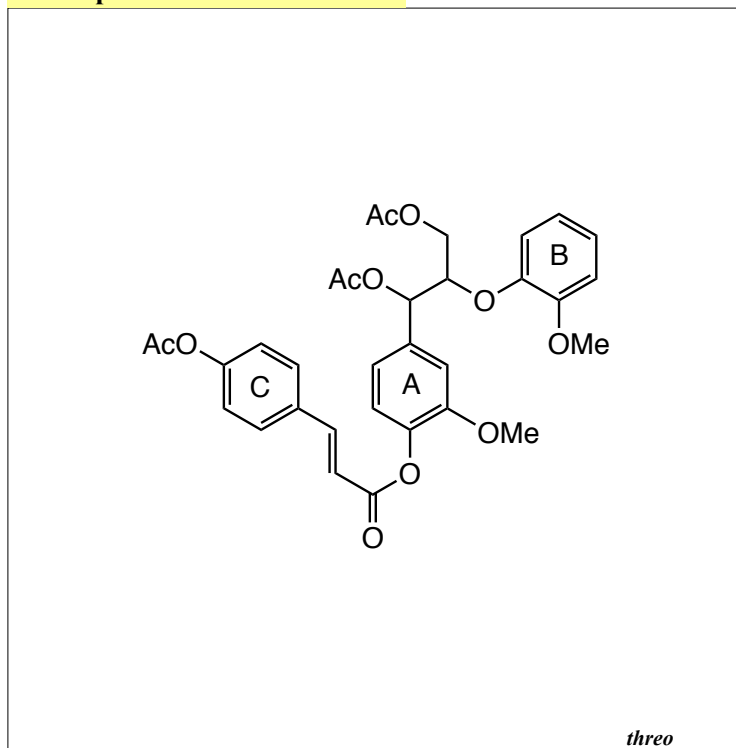
Notes:

R. Helm
18.5mg
300K

Atom	CDCl ₃	Acetone	DMSO	
Ac Me		20.45		
Ac Me		20.45		
Ac Me		20.89		
OMe		56.19		
OMe		56.28		
OMe		56.40		
γ		63.33		
α		74.70		
β		80.50		
C2		112.44		
A2		112.74		
B2		113.77		
C β		118.63		
B5		119.97		
A6		120.44		
B6		121.65		
C6		122.25		
A5		123.38		
B1		124.41		
C5		124.41		
C1		134.11		
A1		136.73		
A4		140.79		
C4		142.74		
C α		145.16		
B4		148.30		
B3		152.10		
A3		152.12		
C3		152.67		
C γ		166.67		
Ac C=O		168.80		
Ac C=O		168.90		
Ac C=O		169.94		

Compound Number 1023

¹³C



3-(4-acetoxyphe-nyl) acrylic acid 4-[1,3-diacetoxy-2-(2-methoxyphenoxy) propyl] phenyl ester

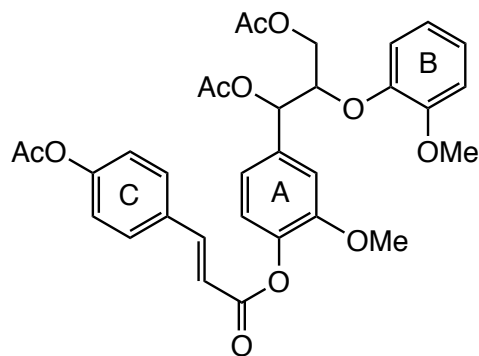
¹H (acetone)

Atom	H Shifts	Mult	J
C α	7.84	d	16.1
C β	6.74	d	16.1
α	6.14	d	6.5
β	4.81	m	
γ1	4.28	dd	11.9, 4.2
γ 2	4.04	dd	11.9, 5.6

Notes:

R. Helm
20.6mg

Atom	CDCl ₃	Acetone	DMSO	
Ac Me		20.59		
Ac Me		20.92		
Ac Me		20.96		
OMe		56.30		
OMe		56.20		
γ		63.60		
α		75.40		
β		80.70		
A2		112.70		
B2		113.74		
C β		117.92		
B5		119.23		
A6		120.34		
B6		121.68		
C3		123.31		
C5		123.31		
A5		123.64		
B1		123.72		
C2		130.44		
C6		130.44		
C1		132.72		
A1		136.78		
A4		140.83		
C α		146.05		
B4		149.08		
B3		151.84		
A3		152.30		
C4		153.74		
C γ		164.91		
Ac C=O		169.42		
Ac C=O		170.01		
Ac C=O		170.68		



erythro

3-(4-acetoxyphenyl) acrylic acid 4-[1,3-diacetoxy-2-(2-methoxyphenoxy) propyl] phenyl ester

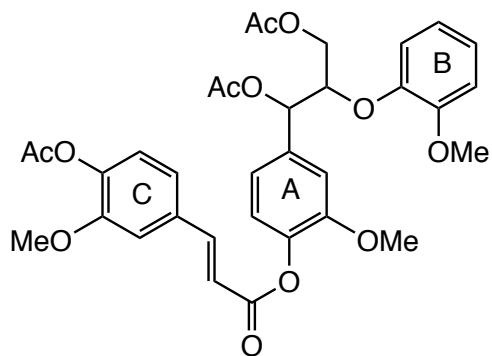
¹H (acetone)[illegible]

Notes:

R. Helm
25mg

Atom	CDCl ₃	Acetone	DMSO	
Ac Me		20.61		
Ac Me		20.87		
Ac Me		20.96		
OMe		56.20		
OMe		56.28		
γ		63.00		
α		74.60		
β		80.32		
A2		112.77		
B2		113.79		
C β		117.95		
B5		119.82		
A6		120.45		
B6		121.64		
C3		123.31		
C5		123.31		
A5		123.45		
B1		124.06		
C2		130.44		
C6		130.44		
C1		132.73		
A1		136.78		
A4		140.71		
C α		146.02		
B4		148.27		
B3		152.06		
A3		152.19		
C4		153.74		
C γ		164.95		
Ac C=O		169.42		
Ac C=O		169.92		
Ac C=O		170.76		

Compound Number 1025

¹³C*threo*

3-(4-acetoxy-3-methoxyphenyl) acrylic acid 4-[1,3-diacetoxy-2-(2-methoxyphenoxy) propyl] phenyl ester

¹H (acetone)

Atom	H Shifts	Mult	J
C α	7.81	d	15.9
C β	6.77	d	16.0
α	6.14	d	6.5
β	4.81	m	
γ1	4.28	dd	11.9, 4.2
γ2	4.04	dd	11.9, 5.6

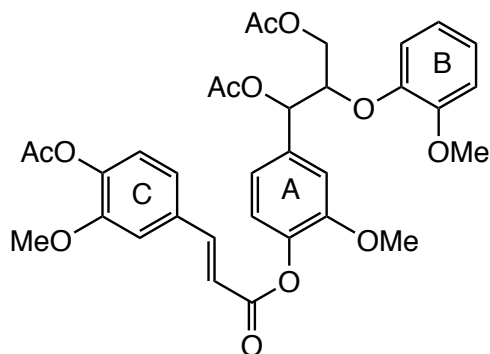
Notes:

R. Helm
20.6mg
std conditions

Atom	CDCl ₃	Acetone	DMSO	
Ac Me		20.46		
Ac Me		20.59		
Ac Me		20.93		
OMe		56.20		
OMe		56.30		
OMe		56.44		
γ		63.61		
α		75.40		
β		80.70		
C2		112.61		
A2		112.70		
B2		113.75		
C β		118.03		
B5		119.23		
A6		120.34		
B6		121.68		
C6		122.52		
A5		123.64		
B1		123.72		
C5		124.20		
C1		134.04		
A1		136.77		
A4		140.83		
C4		142.98		
C α		146.46		
B4		149.08		
B3		151.84		
A3		152.30		
C3		152.76		
C γ		164.97		
Ac C=O		168.79		
Ac C=O		170.01		
Ac C=O		170.69		

Compound Number 1026

¹³C



erythro

3-(4-acetoxy-3-methoxyphenyl) acrylic acid 4-[1,3-diacetoxy-2-(2-methoxyphenoxy) propyl] phenyl ester

¹H (acetone)

Atom	H Shifts	Mult	J
C α	7.81	d	15.8
C β	6.78	d	16.0
α	6.10	d	5.1
β	4.85	m	
γ1	4.39	dd	11.9, 5.6
γ2	4.24	dd	11.9, 4.2

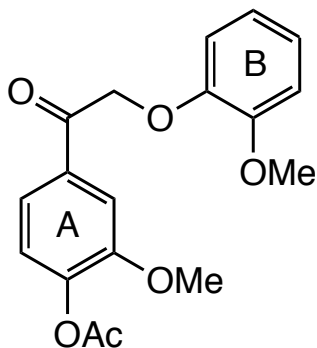
Notes:

R. Helm
20.9mg

Atom	CDCl ₃	Acetone	DMSO	
Ac Me		20.46		
Ac Me		20.60		
Ac Me		20.86		
OMe		56.20		
OMe		56.27		
OMe		56.44		
γ		63.00		
α		74.60		
β		80.32		
C2		112.60		
A2		112.77		
B2		113.79		
C β		118.06		
B5		119.82		
A6		120.45		
B6		121.64		
C6		122.52		
A5		123.44		
B1		124.06		
C5		124.20		
C1		134.04		
A1		136.77		
A4		140.70		
C4		142.97		
C α		146.44		
B4		148.27		
B3		152.06		
A3		152.19		
C3		152.76		
C γ		165.00		
Ac C=O		168.80		
Ac C=O		169.92		
Ac C=O		170.76		

Compound Number 1027

¹³C



Atom	CDCl ₃	Acetone	DMSO	
Ac Me		20.44		
OMe		56.21		
OMe		56.44		
β		72.50		
A2		112.66		
B2		113.63		
B5		115.72		
B6		121.54		
A6		122.13		
B1		122.79		
A5		123.99		
A1		134.59		
A4		145.22		
B4		148.97		
B3		150.88		
A3		152.58		
Ac C=O		168.63		
α		194.31		

Acetic acid 2-methoxy-4-[2-(2-methoxyphenoxy) acetyl] phenyl ester

¹H (acetone)

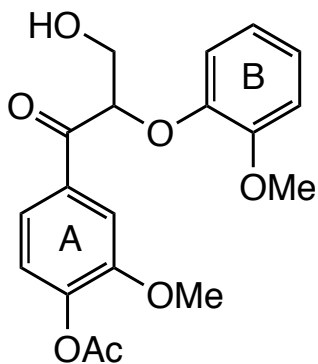
Atom	H Shifts	Mult	J
β	5.43		

Notes:

R. Helm
crystalline

Compound Number 1028

¹³C



Acetic acid 4-[3-hydroxy-2-(2-methoxyphenoxy) propionyl]-2-methoxy phenyl ester

¹H (acetone)

Atom	H Shifts	Mult	J
β	5.55		
γ's	4.09		

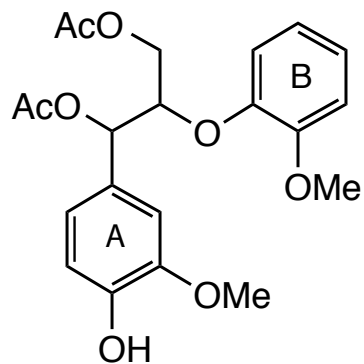
Notes:

R. Helm
20mg
300K acetone-d6

Atom	CDCl ₃	Acetone	DMSO	
Ac Me		20.44		
OMe		56.12		
OMe		56.35		
γ		63.90		
β		84.22		
A2		113.43		
B2		113.73		
B5		117.45		
B6		121.60		
A6		122.81		
B1		123.34		
A5		123.80		
A1		135.27		
A4		145.05		
B4		148.29		
B3		151.13		
A3		152.36		
Ac C=O		168.60		
α		196.80		

Compound Number 1029

¹³C



threo

Acetic acid 3-acetoxy-3-(4-hydroxy-3-methoxyphenyl)-2-(2-methoxyphenoxy) propyl ester

¹H (acetone)

Atom	H Shifts	Mult	J
α	6.04	d	7.13
β	4.77	m	
γ1	4.21	dd	11.9, 3.6
γ2	3.95	dd	11.9, 5.6

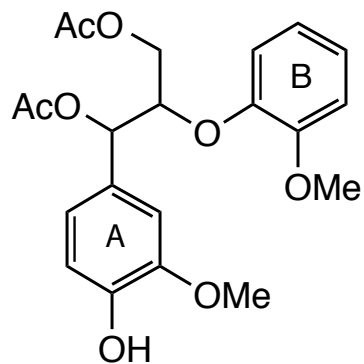
Notes:

R. Helm
19.6mg
acetone-d6

Atom	CDCl ₃	Acetone	DMSO	
Ac Me		20.58		
Ac Me		20.97		
OMe		56.21		
OMe		56.30		
γ		63.86		
α		75.87		
β		80.99		
A2		111.89		
B2		113.77		
A5		115.64		
B5		119.13		
A6		121.19		
B6		121.67		
B1		123.57		
A1		129.17		
A4		147.71		
A3		148.26		
B4		149.31		
B3		151.83		
Ac C=O		169.95		
Ac C=O		170.66		

Compound Number 1030

¹³C



erythro

Acetic acid 3-acetoxy-3-(4-hydroxy-3-methoxyphenyl)-2-(2-methoxyphenoxy) propyl ester

¹H (acetone)

Atom	H Shifts	Mult	J
α	5.99	d	4.99
β	4.81	m	
γ1	4.34	dd	11.9, 6.2
γ2	3.98	dd	11.9, 4.0

Notes:

R. Helm
15mg
std conditions

Atom	CDCl ₃	Acetone	DMSO	
Ac Me		20.60		
Ac Me		20.90		
OMe		56.20		
OMe		56.29		
γ		63.30		
α		74.89		
β		80.40		
A2		112.01		
B2		113.78		
A5		115.41		
B5		119.56		
A6		121.28		
B6		121.61		
B1		123.83		
A1		129.07		
A4		147.53		
A3		148.15		
B4		148.49		
B3		152.00		
Ac C=O		169.90		
Ac C=O		170.75		