

1 **Chemical Structures of Lignans and Neolignans**
2 **Isolated from Lauraceae**

3 **Ya Li ^{1,*}, Shuhan Xie ², Jinchuan Ying ¹, Wenjun Wei ¹ and Kun Gao ^{1,*}**

4 ¹ State Key Laboratory of Applied Organic Chemistry, College of Chemistry and Chemical
5 Engineering, Lanzhou University, Lanzhou 730000, P. R. China; liea@lzu.edu.cn (Y. L.);
6 yingch16@lzu.edu.cn (J. C. Y.); weiwj14@lzu.edu.cn (W. J. W.); npchem@lzu.edu.cn (K. G.)

7 ² Lanzhou University High School, Lanzhou 730000, P. R. China; xieshzb@qq.com

8 * Correspondences: liea@lzu.edu.cn (Y. L.); npchem@lzu.edu.cn (K. G.).

Table SI-1. Semi-systematic names and names in references of lignans and cyclolignans

No.	Semi-systematic names	Names in references	Ref.
5	<i>meso</i> -3,4,5,3',4',5'-hexamethoxylignan	<i>meso</i> -3,4,5,3',4',5'-hexamethoxy-8.8'-lignan	[6]
6	<i>threo</i> -3,4,5,3',4',5'-hexamethoxylignan	<i>threo</i> -3,4,5,3',4',5'-hexamethoxy-8.8'-lignan	[6]
12	<i>threo</i> -4,9,4',9'-Tetrahydroxy-3,5,3',5'-tetramethoxylignan	2,3-bis[(4-hydroxy-3,5-dimethoxyphenyl)-methyl]-1,4-butane diol	[10]
13	(7 <i>R</i> ,8 <i>S</i> ,8' <i>R</i>)-7-hydroxy-3,4,3',4'-tetramethoxylignan	(7 <i>R</i> ,8 <i>S</i> ,8' <i>R</i>)-7-hydroxy-3,4,3',4'-tetramethoxy-8.8'-neolignan	[11]
14	(8 <i>S</i> ,8' <i>R</i>)-4'-hydroxy-3'-methoxy-3,4-methylene dioxylign-7-one	(8 <i>S</i> ,8' <i>R</i>)-4'-hydroxy-3'-methoxy-3,4-methylenedioxy-7-oxo-8.8'-neolignan	[11]
15	(8 <i>S</i> ,8' <i>R</i>)-3,4,3',4'-dimethylenedioxy-lign-7-one	(8 <i>S</i> ,8' <i>R</i>)-3,4,3',4'-dimethylenedioxy-7-oxo-8.8'-neolignan	[11]
16	(8 <i>S</i> ,8' <i>R</i>)-3',4'-dimethoxy-3,4-methylenedioxy lign-7-one	(8 <i>S</i> ,8' <i>R</i>)-3',4'-dimethoxy-3,4-methylenedioxy-7-oxo-8.8'-neolignan	[11]
27	<i>rel</i> -(7 <i>S</i> ,8 <i>S</i> ,7' <i>S</i> ,8' <i>R</i>)-7,7'-epoxy-2,5,3',4',5'-pentamethoxylignane	2-(2',5'-dimethoxyphenyl)-3,4-dimethyl-5-(3'',4'',5''-trimethoxyphenyl)-tetrahydrofuran	[14]
28	<i>rel</i> -(7 <i>S</i> ,8 <i>S</i> ,7' <i>S</i> ,8' <i>R</i>)-7,7'-epoxy-2,5,3',4'-tetramethoxylignane	2-(2',5'-dimethoxyphenyl)-3,4-dimethyl-5-(3'',4'',5''-trimethoxyphenyl)-tetrahydrofuran	[14]
43	(7 <i>R</i> ,8 <i>R</i> ,7 <i>R</i> ,8' <i>R</i>)-2,9,2',9'-diepoxy-7,7'-dihydroxy-3,3'-dimethoxylignan	(3 <i>R</i> ,4 <i>R</i> ,3' <i>R</i> ,4' <i>R</i>)-6,6'-dimethoxy-3,4,3',4'-tetrahydro-2 <i>H</i> ,2' <i>H</i> [3,3']bichromenyl-4,4'-diol	[24]
65	(8 <i>R</i>)-3,4-dimethoxy-3',4'-methylenedioxy-2,7',8,8'-cyclolign-7'-ene	(8 <i>R</i>)-3,4-dimethoxy-3',4'-methylenedioxy- $\Delta^{7,8,8'}$ -6,7',8,8'-neolignan	[28]
66	4-hydroxy-3-methoxy-3',4'-methylenedioxy-2,7',8,8'-cyclolign-7,7'-diene	4-hydroxy-3-methoxy-3',4'-methylenedioxy- $\Delta^{7,8,7',8'}$ -6,7',8,8'-neolignan	[28]

Table SI-2. Semi-systematic names and names in references of 8,1'-neolignans

No.	Semi-systematic name	Name in reference	Ref.
72	(7S,8S,1'R)-7,2'-epoxy-3,4,5'-trimethoxy-8,1'-neolign-8'-ene-4'(1'H)-one	(2S,3S,3aR)-3a-allyl-5-methoxy-3-methyl-2-veratryl-2,3,3a,6-tetrahydro-6-oxobenzofuran	[40]
73	(7S,8S,1'R)-7,2'-epoxy-3,4,3',5'-tetramethoxy-8,1'-neolign-8'-ene-4'(1'H)-one	(2S,3S,3aR)-3a-allyl-5,7-dimethoxy-3-methyl-2-veratryl-2,3,3a,6-tetrahydro-6-oxobenzofuran	[40]
74	(7S,8S,1'R)-7,2'-Epoxy-3,4,5,5'-tetramethoxy-8,1'-neolign-8'-ene-4'(1'H)-one	(7S,8S,1'R)- $\Delta^{8'}$ -3,4,5,5'-tetramethoxy-1',4'-dihydro-4'-oxo-7.O.2',8.1'-neolignan	[41]
76	(7R,8S,1'S)-7,2'-epoxy-5'-methoxy-3,4-methylenedioxy-8,1'-neolign-8'-ene-4'(1'H)-one	(2R,3S,3aS)-3a-allyl-5-methoxy-3-methyl-2-piperonyl-2,3,3a,6-tetrahydro-6-oxobenzofuran	[42, 43]
77	(7R,8S,1'S)-7,2'-epoxy-3',5'-dimethoxy-3,4-methylenedioxy-8,1'-neolign-8'-ene-4'(1'H)-one	(7R,8S,1'S)- $\Delta^{8'}$ -3',5'-dimethoxy-3,4-methylenedioxy-1',4'-dihydro-4'-oxo-7.O.2',8.1'-neolignan	[44, 45]
78	<i>rel</i> -(7R,8S,1'S)-7,2'-epoxy-3,5'-dimethoxy-4,5-methylenedioxy-8,1'-neolign-8'-ene-4'(1'H)-one	<i>rel</i> -(2R,3S,3aS)-3a-allyl-5-methoxy-2-(3-methoxy-4,5-methylenedioxyphenyl)-3-methyl-2,3,3a,6-tetrahydro-6-oxobenzofuran	[46, 47]
79	<i>rel</i> -(7R,8S,1'S)-7,2'-epoxy-3,4,5,5'-tetramethoxy-8,1'-neolign-8'-ene-4'(1'H)-one	<i>rel</i> -(2R,3S,3aS)-3a-allyl-5-methoxy-2-(3,4,5-trimethoxyphenyl)-3-methyl-2,3,3a,6-tetrahydro-6-oxobenzofuran	[46, 47]
80	<i>rel</i> -(7S,8S,1'S)-7,2'-epoxy-3,4,5,5'-tetramethoxy-8,1'-neolign-8'-ene-4'(1'H)-one	<i>rel</i> -(2S,3S,3aS)-3a-allyl-5-methoxy-2-(3,4,5-trimethoxyphenyl)-3-methyl-2,3,3a,6-tetrahydro-6-oxobenzofuran	[46, 47]
85	(7S,8R,1'S,5'S)-7,2'-epoxy-5',6'-dihydro-3,3',5'-trimethoxy-4,5-methylenedioxy-8,1'-neolign-8'-ene-4'(1'H)-one	(7S,8R,1'S,5'S)- $\Delta^{8'}$ -3,3',5'-trimethoxy-4,5-methylenedioxy-1',4',5',6'-tetrahydro-4'-oxo-7.O.2',8.1'-neolignan	[50]
89	<i>rel</i> -(7R,8R,1'R,5'R)-7,2'-epoxy-5',6'-dihydro-5'-methoxy-3,4-methylenedioxy-8,1'-neolign-8'-ene-4'(1'H)-one	<i>rel</i> -(7R,8R,1'R,5'R)- $\Delta^{8'}$ -5'-methoxy-3,4-methylenedioxy-1',4',5',6'-tetrahydro-4'-oxo-7.O.2',8.1'-neolignan	[57, 58]
92	(7R,8S,1'R,5'R)-7,2'-epoxy-5',6'-dihydro-3,4,3',5'-tetramethoxy-8,1'-neolign-8'-ene-4'(1'H)-one	(7R,8S,1'R,3'R)- $\Delta^{5',8'}$ -3,4,3',5'-tetramethoxy-4'-oxo-8.1',7.O.6'-neolignan	[45]
93	(7R,8S,1'R,5'R)-7,2'-epoxy-5',6'-dihydro-3',5'-dimethoxy-3,4-methylenedioxy-8,1'-neolign-8'-ene-4'(1'H)-one	(7R,8S,1'R,3'R)- $\Delta^{5',8'}$ -3',5'-dimethoxy-3,4-methylenedioxy-4'-oxo-8.1',7.O.6'-neolignan	[45]
94	<i>rel</i> -(7R,8S,1'R,5'S)-7,2'-epoxy-5',6'-dihydro-5'-methoxy-3,4-methylenedioxy-8,1'-neolign-8'-ene-4'(1'H)-one	<i>rel</i> -(7R,8S,1'R,5'S)- $\Delta^{8'}$ -5'-methoxy-3,4-methylenedioxy-1',4',5',6'-tetrahydro-4'-oxo-7.O.2',8.1'-neolignan	[57]
103	<i>rel</i> -(7S,8S,1'S,2'S)-7,2'-epoxy-2',3'-dihydroxy-1',2',3',6'-tetrahydro-5'-methoxy-3,4-methylenedioxy-8,1'-neolign-8'-ene	<i>rel</i> -(7S,8S,1'S,2'S)- $\Delta^{8'}$ -2',3'-dihydroxy-3,4-methylenedioxy-1',2',3',6'-tetrahydro-7.O.2',8.1'-neolignan	[57]
104	<i>rel</i> -(7S,8S,1'S,2'S)-7,2'-epoxy-3'-hydroxy-1',2',3',6'-tetrahydro-2'-methoxy-3,4-methylenedioxy-8,1'-neolign-8'-ene	<i>rel</i> -(7S,8S,1'S,2'S)- $\Delta^{8'}$ -3'-hydroxy-2'-methoxy-3,4-methylenedioxy-1',2',3',6'-tetrahydro-7.O.2',8.1'-neolignan	[57]
105	<i>rel</i> -(7R,8S,1'R,2'S,4'R,5'R)-7,2'-epoxy-2',4'-dihydroxy-1',2',3',4',5',6'-hexahydro-3,4,5'-trimethoxy-8,1'-neolign-8'-ene	<i>rel</i> -(7R,8S,1'R,2'S,4'R,5'R)- $\Delta^{8'}$ -2',4'-dihydroxy-3,4,5'-trimethoxy-1',2',3',4',5',6'-hexahydro-7.O.2',8.1'-neolignan	[57]

106	<i>rel</i> -(7R,8S,1'R,2'S,4'S,5'R)-7,2'-epoxy-2',4'-dihydroxy-1',2',3',4',5',6'-hexahydro-3,4,5'-trimethoxy-8,1'-neolign-8'-ene	<i>rel</i> -(7R,8S,1'R,2'S,4'S,5'R)- Δ^8 -2',4'-dihydroxy-3,4,5'-trimethoxy-1',2',3',4',5',6'-hexahydro-7.O.2',8.1'-neolignan	[57]
107	<i>rel</i> -(7R,8S,1'R,2'S,4'R,5'R)-7,2'-epoxy-4'-hydroxy-1',2',3',4',5',6'-hexahydro-3,4,2',5'-tetramethoxy-8,1'-neolign-8'-ene	<i>rel</i> -(7R,8S,1'R,3'R,4'R,6'S)- Δ^8 -4'-hydroxy-3,4,3',6'-tetramethoxy-8.1',7.O.6'-neolignan	[59]
108	<i>rel</i> -(7R,8S,1'R,2'R,3'S,4'R,5'R)-7,2'-epoxy-2',3',4'-trihydroxy-1',2',3',4',5',6'-hexahydro-3,4,5'-trimethoxy-8,1'-neolign-8'-ene (108),	<i>rel</i> -(7R,8S,1'R,3'R,4'R,5'S,6'R)- Δ^8 -4',5',6'-trihydroxy-3,4,3'-trimethoxy-8.1',7.O.6'-neolignan	[59]
109	<i>rel</i> -(7R,8S,1'R,2'R,3'S,4'S,5'R)-7,2'-epoxy-2',3',4'-trihydroxy-1',2',3',4',5',6'-hexahydro-3,4,5'-trimethoxy-8,1'-neolign-8'-ene	<i>rel</i> -(7R,8S,1'R,3'R,4'S,5'S,6'R)- Δ^8 -4',5',6'-trihydroxy-3,4,3'-trimethoxy-8.1',7.O.6'-neolignan	[59]
110	<i>rel</i> -(7R,8S,1'R,2'R,3'R,4'R,5'R)-7,2',3',4'-diepoxy-1',2',3',4',5',6'-hexahydro-2'-hydroxy-3,4,5'-trimethoxy-8,1'-neolign-8'-ene	<i>rel</i> -(7R,8S,1'R,3'R,4'R,5'R,6'R)- Δ^8 -4',5'-epoxy-6'-hydroxy-3,4,3'-trimethoxy-8.1',7.O.6'-neolignan	[59]
111	<i>rel</i> -(7R,8S,1'R,2'S,5'R)-1',2',5',6'-tetrahydro-3,4,2',5'-tetramethoxy-8,1'-neolign-8'-ene	<i>rel</i> -(7R,8S,1'R,3'R,6'S)- Δ^8 -3,4,3',6'-tetramethoxy-8.1',7.O.6'-neolignan	[59]
112	<i>rel</i> -(7R,8S,1'R,5'R)-5',6'-dihydro-7-hydroxy-3,4,5'-trimethoxy-8,1'-neolign-8'-ene-2'(1'H)-one	<i>rel</i> -(7R,8S,1'R,5'R)- Δ^8 -7-hydroxy-3,4,5'-trimethoxy-1',2',5',6'-tetrahydro-2'-oxo-8,1'-neolign	[57]
113	(8S,1'R,5'R)-5',6'-dihydro-3,4,5'-trimethoxy-8,1'-neolign-8'-ene-7,2'(1'H)-dione	(8S,1'R,5'R)- $\Delta^{3,8}$ -3,4,5'-trimethoxy-7,2'-dioxo-8.1'-neolignan	[58]

Table SI-3. Semi-systematic names and names in references of 8,3'-neolignans

No.	Semi-systematic names	Names in references	Ref.
130	(7S,8S,1'S)-7,4'-epoxy-3,4,1'-trimethoxy-8,3'-neolign-8'-ene-6'(1'H)-one	(2S,3S,5S)-5-allyl-5-methoxy-3-methyl-2-veratryl-2,3,5,6-tetrahydro-6-oxobenzofuran	[40]
131	(7S,8S,1'S)-7,4'-epoxy-1'-methoxy-3,4-methylenedioxy-8,3'-neolign-8'-ene-6'(1'H)-one	(2S,3S,5S)-5-allyl-5-methoxy-3-methyl-2-(3',4'-methylenedioxyphenyl)-2,3,5,6-tetrahydro-6-oxobenzofuran	[62]
135	(7S,8S,1'R)-7,4'-epoxy-3,4,5,1'-tetramethoxy-8,3'-neolign-8'-ene-6'(1'H)-one	(2S,3S,5R)-5-allyl-5-methoxy-3-methyl-2-(3',4',5'-trimethoxyphenyl)-2,3,5,6-tetrahydro-6-oxobenzofuran	[64]
136	(7S,8S,1'R)-7,4'-epoxy-1'-methoxy-3,4-methylenedioxy-8,3'-neolign-8'-ene-6'(1'H)-one	(7S,8S,1'R)- Δ^8 -1'-methoxy-3,4-methylenedioxy-1',6'-dihydro-6'-oxo-7.O.4',8.3'-neolignan	[16]
137	(7S,8S,1'R)-7,4'-epoxy-1',5'-dimethoxy-3,4-methylenedioxy-8,3'-neolign-8'-ene-6'(1'H)-one	(7S,8S,1'R)- Δ^8 -1',5'-dimethoxy-3,4-methylenedioxy-1',6'-dihydro-6'-oxo-7.O.4',8.3'-neolignan	[16]
138	(7S,8S,1'R)-7,4'-Epoxy-3,1'-dimethoxy-4,5-methylenedioxy-8,3'-neolign-8'-ene-6'(1'H)-one	(7S,8S,1'R)- Δ^8 -3,1'-dimethoxy-3,4-methylenedioxy-1',6'-dihydro-6'-oxo-7.O.4',8.3'-neolignan	[25]
139	(7S,8S,1'R)-7,4'-epoxy-3,4,5,1',5'-pentamethoxy-8,3'-neolign-8'-ene-6'(1'H)-one	(2S,3S,5R)-5-allyl-5,7-dimethoxy-2-(3',4',5'-trimethoxyphenyl)-3-methyl-2,3,5,6-tetrahydro-6-oxobenzofuran	[46]
141	(7R,8S,1'R)-7,4'-epoxy-3,5'-dimethoxy-4,5-methylenedioxy-8,3'-neolign-8'-ene-6'(1'H)-one	(2R,3S,5R)-5-allyl-5-methoxy-2-(3'-methoxy-4',5'-methylenedioxyphenyl)-3-methyl-2,3,5,6-tetrahydro-6-oxobenzofuran	[46]
143	(7S,8S)-7,2'-epoxy-4'-hydroxy-3,5'-dimethoxy-4,5-methylenedioxy-8,3'-neolign-8'-ene	(2S,3S)-7-allyl-6-hydroxy-5-methoxy-2-(3-methoxy-4,5-methylenedioxyphenyl)-3-methyl-2,3-dihydrobenzofuran	[46]
144	(7R,8S)-7,2'-epoxy-6'-hydroxy-3,5'-dimethoxy-4,5-methylenedioxy-8,3'-neolign-8'-ene	(2R,3S)-7-allyl-6-hydroxy-5-methoxy-2-(3-methoxy-4,5-methylenedioxyphenyl)-3-methyl-2,3-dihydrobenzofuran	[46]
145	7,2'-epoxy-6'-hydroxy-3,5'-dimethoxy-3,4-methylenedioxy-8,3'-neolign-7,8'-diene	7-allyl-6-hydroxy-5-methoxy-2-(3'-methoxy-4',5'-methylenedioxyphenyl)-3-methylbenzofuran	[46]
146	7,2',-epoxy-6'-hydroxy-3,4,5,5'-tetramethoxy-8,3'-neolign-7,8'-diene	7-allyl-6-hydroxy-5-methoxy-2-(3',4',5'-trimethoxyphenyl)-3-methylbenzofuran	[64]
147	7,2'-epoxy-5'-hydroxy-3,4-dimethoxy-8,3'-neolign-7,8'-diene	$\Delta^{7,8}$ -3'-hydroxy-3,4-dimethoxy-8.1',7.O.6'-7':1'→5'neolignan	[59]
148	7,2'-Epoxy-6'-hydroxy-5'-methoxy-3,4-methylenedioxy-8,3'-neolign-7,8'-diene	7-allyl-6-hydroxy-5-methoxy-3-methyl-2-piperonylbenzofuran	[42]
155	(8S)-6-hydroxy-5'-methoxy-3,4-methylenedioxy-8,3'-neolign-8'-ene-7-one	(8S)- Δ^8 -4'-hydroxy-3'-methoxy-3,4-methylenedioxy-7-oxo-8.1',7':1'→5'-neolignan	[58]
156	rel-(8R,1'R,3'R)-2',3'-Dihydro-3,4,5-trimethoxy-3',4'-methylenedioxy-8,3'-neolign-7-ene-6'(1H)-one	Δ^8 -3,4,5-trimethoxy-3',6'-dihydro-3',4'-methylenedioxy-6-oxo-8,3'-neolignan	[69]
162	rel-(7S,8S)-7,4'-epoxy-4-hydroxy-3,5'-dimethoxy-8',9'-bisnor-8,3'-neolign-7'-one	rel-(7S,8S)-4-hydroxy-3,3'-dimethoxy-7'-oxo-8,5',7.O.4-8',9'-bisnoeolignan	[59]

Table SI-4. Semi-systematic names and names in references of cycloneolignans

No.	Semi-systematic names	Names in references	Ref.
174	<i>rel</i> -(7S,8R,1'R,2'R,3'S)-1',2'-dihydro-2',5'-dihydroxy-3,3'-dimethoxy-4,5-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene-4'(3'H)-one	<i>rel</i> -(1'R,5'S,6'R,7S,8R)- $\Delta^{2,8}$ -3',6'-dihydroxy-3,5'-dimethoxy-4,5-methylenedioxy-4'-oxo-8.1',7.5'-neolignan	[75]
175	<i>rel</i> -(7S,8R,1'R,2'R,3'S)-1',2'-dihydro-2'-hydroxy-3,3',5'-trimethoxy-4,5-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene-4'(3'H)-one	<i>rel</i> -(1'R,5'S,6'R,7S,8R)- $\Delta^{2,8}$ -6'-hydroxy-3,3',5'-trimethoxy-4,5-methylenedioxy-4'-oxo-8.1',7.5'-neolignan	[75]
176	<i>rel</i> -(7S,8R,1'R,2'R,3'S)-2'-acetoxy-1',2'-dihydro-3,3',5'-tetramethoxy-4,5-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene-4'(3'H)-one	<i>rel</i> -(1'R,5'S,6'R,7S,8R)- $\Delta^{2,8}$ -6'-acetoxy-3,3',5'-trimethoxy-4,5-methylenedioxy-4'-oxo-8.1',7.5'-neolignan	[64]
177	<i>rel</i> -(7R,8R,1'R,2'R,3'R)-2'-acetoxy-1',2'-dihydro-5'-methoxy-3,4-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene-4'(3'H)-one	<i>rel</i> -(7R,8R,1'R,5'R,6'R)- $\Delta^{2,8}$ -6'-acetoxy-3'-methoxy-3,4-methylenedioxy-4'-oxo-8.1'-neolignan	[59]
178	<i>rel</i> -(7S,8R,1'R,3'R,4'S)-4'-acetoxy-3',4'-dihydro-3,4,5,3',5'-pentamethoxy-7.3',8.1'-cycloneolign-8'-ene-2'(1'H)-one	<i>rel</i> -(7S,8R,1'R,3'R,4'S)- Δ^8 -4'-acetoxy-3,4,5,3',5'-pentamethoxy-1',2',3',4'-tetrahydro-5'-oxo-7.3',8.1'-neolignan	[76]
179	<i>rel</i> -(7S,8R,1'R,3'R,4'S)-4'-acetoxy-3',4'-dihydro-4-hydroxy-3,3',5'-trimethoxy-7.3',8.1'-cycloneolign-8'-ene-2'(1'H)-one	<i>rel</i> -(1'R,4'S,5'R,7S,8R)- $\Delta^{2,8}$ -4'-acetoxy-4-hydroxy-3,3',5'-trimethoxy-6'-oxo-8.1',7.5'-neolignan	[75]
180	<i>rel</i> -(7S,8R,1'R,3'R,4'S)-4'-acetoxy-3',4'-dihydro-3,3',5'-trimethoxy-4,5-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene-2'(1'H)-one	<i>rel</i> -(1'R,4'S,5'R,7S,8R)- $\Delta^{2,8}$ -4'-acetoxy-3,3',5'-trimethoxy-4,5-methylenedioxy-6'-oxo-8.1',7.5'-neolignan	[75]
181	<i>rel</i> -(7S,8R,1'R,3'R,4'S)-4'-acetoxy-3',4'-dihydro-4-hydroxy-3,5,3',5'-tetramethoxy-7.3',8.1'-cycloneolign-8'-ene-2'(1'H)-one	<i>rel</i> -(1'R,4'S,5'R,7S,8R)- $\Delta^{2,8}$ -4'-acetoxy-4-hydroxy-3,5,3',5'-tetramethoxy-6'-oxo-8.1',7.5'-neolignan	[75]
182	<i>rel</i> -(7S,8R,1'R,2'R,3'S,4'S)-4'-acetoxy-1',2',3',4'-tetrahydro-2'-hydroxy-3',5'-dimethoxy-3,4-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene	<i>rel</i> -(7S,8R,1'R,2'R,3'S,4'S)- Δ^8 -4'-acetoxy-2'-hydroxy-3',5'-dimethoxy-3,4-methylenedioxy-1',2',3',4'-tetrahydro-7.3',8.1'-neolignan	[76]
183	<i>rel</i> -(7S,8R,1'R,2'R,3'S,4'S)-4'-acetoxy-1',2',3',4'-tetrahydro-2'-hydroxy-3,3',5'-trimethoxy-4,5-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene	<i>rel</i> -(7S,8R,1'R,2'R,3'S,4'S)- Δ^8 -4'-acetoxy-2'-hydroxy-3,3',5'-trimethoxy-3,4-methylenedioxy-1',2',3',4'-tetrahydro-7.3',8.1'-neolignan	[76]
184	<i>rel</i> -(7S,8R,1'S,2'R,3'S,4'R)-4'-acetoxy-1',2',3',4'-tetrahydro-2'-hydroxy-3'-methoxy-3,4-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene-5'(6'H)-one	<i>rel</i> -(7S,8R,1'S,2'R,3'S,4'R)- Δ^8 -4'-acetoxy-2'-hydroxy-3'-methoxy-3,4-methylenedioxy-1',2',3',4',5',6'-hexahydro-5'-oxo-7.3',8.1'-neolignan	[46]
185	<i>rel</i> -(7S,8R,1'R,2'R,3'S,4'R)-4'-acetoxy-1',2',3',4'-tetrahydro-2'-hydroxy-3',3'-dimethoxy-4,5-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene-5'(6'H)-one	<i>rel</i> -(7S,8R,1'S,2'R,3'S,4'R)- Δ^8 -4'-acetoxy-2'-hydroxy-3,3'-dimethoxy-3,4-methylenedioxy-1',2',3',4',5',6'-hexahydro-5'-oxo-7.3',8.1'-neolignan	[46]
186	<i>rel</i> -(7S,8R,1'S,3'S,4'S)-4'-acetoxy-3',4'-dihydro-4-hydroxy-3,3',5'-trimethoxy-7.3',8.1'-cycloneolign-8'-ene-2'(1'H)-one	<i>rel</i> -(1'R,4'R,5'R,7R,8S)- $\Delta^{2,8}$ -4'-acetoxy-4-hydroxy-3,3',5'-trimethoxy-6'-oxo-8.1',7.5'-neolignan	[75]
187	<i>rel</i> -(7S,8R,1'S,3'S,4'S)-4'-acetoxy-3',4'-dihydro-3,4,3',5'-tetramethoxy-7.3',8.1'-cycloneolign-8'-ene-2'(1'H)-one	<i>rel</i> -(1'R,4'R,5'R,7R,8S)- $\Delta^{2,8}$ -4'-acetoxy-3,4,3',5'-tetramethoxy-6'-oxo-8.1',7.5'-neolignan	[75]

188	(7S,8R,1'S,3'S,4'S)-3',4'-dihydro-4,4'-dihydroxy-3,3',5'-trimeθοxy-7.3',8.1'-cycloneolign-8'-ene-2'(1'H)-one	(7S,8R,1'S,3'S,4'S)- Δ^8 -4,4'-dihydroxy-3,3',5'-trimeθοxy-1',2',3',4'-tetrahydro-2'-oxo-7.3',8.1'-neolignan	[16]
189	rel-(7S,8R,1'S,3'S,4'S)-3',4'-dihydro-4'-hydroxy-3,3',5'-trimeθοxy-4,5-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene-2'(1'H)-one	rel-(7S,8R,1'S,4'R,5'R)-4'-hydroxy-3,3',5'-trimeθοxy-4,5-methylenedioxy-6'-oxo- Δ -1,3,5,2',8'-8.1',7.5'-neolignan	[78]
190	rel-(7R,8R,1'S,3'R,4'R)-3',4'-dihydro-4'-hydroxy-5'-methoxy-3,4-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene-2'(1'H)-one	rel-(7S,8S,1'R,4'S,5'S)- $\Delta^{2,8}$ -4'-hydroxy-3'-methoxy-3,4-methylenedioxy-6'-oxo-8.1',7.5'-neolignan	[59]
191	rel-(7R,8R,1'R,3'R)-4-hydroxy-3,5'-dimethoxy-7.3',8.1'-cycloneolign-8'-ene-2',4'(1'H,3'H)-dione	(1R,5R,6R,7R)-1-allyl-6-(4'-hydroxy-3'-methoxyphenyl)-3-methoxy-7-methyl-4,8-dioxobicyclo[3,2,1]oct-2-ene	[62]
192	(7R,8R,1'S,2'R,3'S)-2'-hydroxy-5'-methoxy-3,4-methylenedioxy-1',2'-dihydro-7.3',8.1'-cycloneolign-8'-ene-4(3'H)-one	(7R,8R,1'S,2'R,3'S)- $\Delta^{5,8}$ -2'-hydroxy-6'-methoxy-3,4-methylenedioxy-4'-oxo-7.3',8.1'-neolignan	[58]
193	rel-(7S,8R,1'S,2'S,3'R)-2'-acetoxy-1',2'-dihydro-5'-hydroxy-3'-methoxy-3,4-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene-4'(3'H)-one	rel-(1S,5S,6S,7R,8R)-8-acetoxy-1-allyl-3-hydroxy-5-methoxy-7-methyl-4-oxo-6-piperonylbicyclo[3,2,1]oct-2-ene	[40]
194	rel-(7S,8R,1'S,2'S,3'R)-2'-acetoxy-1',2'-dihydro-3',5'-dimethoxy-3,4-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene-4'(3'H)-one	rel-(1S,5S,6S,7R,8R)-8-acetoxy-1-allyl-3,5-dimethoxy-7-methyl-4-oxo-6-piperonylbicyclo[3,2,1]oct-2-ene	[40]
195	rel-(7S,8R,1'S,2'S,3'R)-1',2'-dihydro-2'-hydroxy-3',5'-dimethoxy-3,4-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene-4'(3'H)-one	rel-(1S,5S,6S,7R,8R)-1-allyl-8-hydroxy-3,5-dimethoxy-7-methyl-4-oxo-6-piperonylbicyclo[3,2,1]oct-2-ene	[40]
196	rel-(7S,8R,1'S,2'S,3'R)-2'-acetoxy-1',2'-dihydro-3,4,3',5'-tetramethoxy-7.3',8.1'-cycloneolign-8'-ene-4'(3'H)-one	(7S,8R,1'S,2'S,3'R)- Δ^8 -2'-acetoxy-3',5',3,4-tetramethoxy-1',2',3',4'-tetrahydro-4'-oxo-7.3',8.1'-neolignan	[65]
197	rel-(7S,8R,1'S,2'S,3'R)-2'-acetoxy-1',2'-dihydro-3,4,5,3',5'-pentamethoxy-7.3',8.1'-cycloneolign-8'-ene-4'(3'H)-one	(7S,8R,1'S,2'S,3'R)- Δ^8 -2'-acetoxy-3',5',3,4,5-pentamethoxy-1',2',3',4'-tetrahydro-4'-oxo-7.3',8.1'-neolignan	[65]
198	rel-(7S,8R,1'S,2'S,3'R)-2'-acetoxy-1',2'-dihydro-3,3',5'-trimeθοxy-4,5-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene-4'(3'H)-one	(7S,8R,1'S,2'S,3'R)- Δ^8 -2'-acetoxy-3',5',3-trimeθοxy-4,5-methylenedioxy-1',2',3',4'-tetrahydro-4'-oxo-7.3',8.1'-neolignan	[65]
200	(7S,8R,1'S,2'S,3'R)-1',2'-dihydro-2',5'-dihydroxy-3'-methoxy-3,4-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene-4'(3'H)-one	(7S,8R,1'S,5R,6'S)- $\Delta^{2,8}$ -3',6'-dihydroxy-5'-methoxy-3,4-methylenedioxy-4'-oxo-8.1',7.5'-neolignan	[45]
201	(7S,8R,1'S,2'S,3'R)-2'-acetoxy-1',2'-dihydro-3,3',5'-trimeθοxy-4,5-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene-4'(3'H)-one	(7S,8R,1'R,2'R,3'S)- Δ^8 -2'-acetoxy-3,3',5'-trimeθοxy-4,5-methylenedioxy-1',2',3',4'-tetrahydro-4'-oxo-7.3',8.1'-neolignan	[25]
202	rel-(7S,8R,1'S,2'R,3'S)-2'-acetoxy-1',2',5',6'-tetrahydro-3',5'-dimethoxy-3,4-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene-4'(3'H)-one	(7S,8R,1'R,2'R,3'S)- Δ^8 -2'-acetoxy-3',5'-dimethoxy-3,4-methylenedioxy-1',2',3',4'-tetrahydro-4'-oxo-7.3',8.1'-neolignan	[65]
203	rel-(7S,8R,1'S,2'R,3'S)-1',2',5',6'-tetrahydro-2'-hydroxy-3',5'-dimethoxy-3,4-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene-4'(3'H)-one	(7S,8R,1'R,2'R,3'S)- Δ^8 -3',5'-dimethoxy-2'-hydroxy-3,4-methylenedioxy-1',2',3',4'-tetrahydro-4'-oxo-7.3',8.1'-neolignan	[65]

204	<i>rel</i> -(7S,8R,1'S,2'R,3'S)-2'-acetoxy-1',2',5',6'-tetrahydro-3,4,3',5'-tetramethoxy-7.3',8.1'-cycloneolign-8'-ene-4'(3'H)-one	(7S,8R,1'R,2'R,3'S)- Δ^8 -2'-acetoxy-3',5',3,4-tetramethoxy-1',2',3',4'-tetrahydro-4'-oxo-7.3',8.1'-neolignan	[65]
205	<i>rel</i> -(7S,8R,1'S,2'R,3'S)-1',2',5',6'-tetrahydro-4,2'-dihydroxy-3,3',5'-trimethoxy-7.3',8.1'-cycloneolign-8'-ene-4'(3'H)-one	(7S,8R,1'R,2'R,3'S)- Δ^8 -2',4-dihydroxy-3,3',5'-trimethoxy-1',2',3',4'-tetrahydro-4'-oxo-7.3',8.1'-neolignan	[65]
206	<i>rel</i> -(7S,8R,1'S,2'S,3'R,4'R)-2'-acetoxy-1',2',3',4'-tetrahydro-4'-hydroxy-3',5'-dimethoxy-3,4-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene	(7S,8R,1'S,2'S,3'R,4'S)- Δ^8 -2'-acetoxy-3',5'-dimethoxy-4'-hydroxy-3,4-methylenedioxy-1',2',3',4'-tetrahydro-7.3',8.1'-neolignan	[65]
207	<i>rel</i> -(7S,8R,1'S,2'S,3'R,4'R)-2'-acetoxy-1',2',3',4'-tetrahydro-4'-hydroxy-3,4,3',5'-tetramethoxy-7.3',8.1'-cycloneolign-8'-ene	(7S,8R,1'S,2'S,3'R,4'S)- Δ^8 -2'-acetoxy-3,4,3',5'-tetramethoxy-4'-hydroxy-1',2',3',4'-tetrahydro-7.3',8.1'-neolignan	[65]
208	(7S,8R,1'S,2'S,3'R,4'R)-1',2',3',4'-tetrahydro-2',4'-dihydroxy-3',5'-dimethoxy-3,4-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene	(7S,8R,1'S,2'S,3'R,4'R)- Δ^8 -2',4'-dihydroxy-3',5'-dimethoxy-3,4-methylenedioxy-1',2',3',4'-tetrahydro-7.3',8.1'-neolignan	[16]
209	(7S,8R,1'S,2'S,3'R,4'S)-1',2',3',4'-tetrahydro-2',4'-dihydroxy-3',5'-dimethoxy-3,4-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene	(7S,8R,1'S,2'S,3'R,4'S)- Δ^8 -2',4'-dihydroxy-3',5'-dimethoxy-3,4-methylenedioxy-1',2',3',4'-tetrahydro-7.3',8.1'-neolignan	[16]
210	(7S,8R,1'S,2'S,3'R,4'S)-1',2',3',4'-tetrahydro-2',4'-dihydroxy-5,3',5'-trimethoxy-3,4-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene	(7S,8R,1'S,2'S,3'R,4'S)- Δ^8 -2',4'-dihydroxy-3,3',5'-trimethoxy-4,5-methylenedioxy-1',2',3',4'-tetrahydro-7.3',8.1'-neolignan	[16]
211	<i>rel</i> -(7R,8R,1'S,2'R,3'S,4'R)-1',2',3',4'-tetrahydro-2',4'-dihydroxy-5'-methoxy-3,4-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene	<i>rel</i> -(7S,8S,1'R,4'S,5'R,6'S)- $\Delta^{2,8}$ -4',6'-dihydroxy-3'-methoxy-3,4-methylenedioxy-8.1',7.5'-neolignan	[59]
214	(7R,8R,1'R,2'R,3'S,4'S)-1',2',3',4'-tetrahydro-2',4'-dihydroxy-3,4-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene-5'(6'H)-one	(7R,8R,1'R,2'R,3'S,4'S)- Δ^8 -2',4'-dihydroxy-3,4-methylenedioxy-1',2',3',4',5',6'-hexahydro-5'-oxo-7.3',8.1'-neolignan	[43]
215	(7R,8R,1'R,2'R,3'S,4'S)-1',2',3',4'-tetrahydro-2'-hydroxy-4'-methoxy-3,4-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene-5'(6'H)-one	(7R,8R,1'R,2'R,3'S,4'S)- Δ^8 -2'-hydroxy-4'-methoxy-3,4-methylenedioxy-1',2',3',4',5',6'-hexahydro-5'-oxoneolignan	[43]
216	(7R,8R,1'R,2'R,3'S,4'R)-2'-hydroxy-3,4'-dimethoxy-4,5-methylenedioxy-1',2',3',4'-tetrahydro-7.3',8.1'-cycloneolign-8'-ene-5'(6'H)-one	(7R,8R,1'R,2'R,3'S,4'R)- Δ^8 -2'-hydroxy-3,4'-dimethoxy-4,5-methylenedioxy-1',2',3',4',5',6'-hexahydro-5'-oxoneolignan	[43]
217	(7S,8R,1'R,2'S,3'R,4'R)-1',2',3',4'-tetrahydro-2',4'-dihydroxy-3,3'-dimethoxy-4,5-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene-5'(6'H)-one	(7S,8R,1'R,2'S,3'R,4'R)- Δ^8 -2',4'-dihydroxy-3,3'-dimethoxy-4,5-methylenedioxy-1',2',3',4',5',6'-hexahydro-5'-oxo-7.3',8.1'-neolignan	[77]
218	(7R,8R,1'R,3'S)-5',6'-dihydro-4-hydroxy-3,5'-dimethoxy-7.3',8.1'-cycloneolign-8'-ene-2',4'(1'H,3'H)-dione	(7R,8R,1'R,3'S)- Δ^8 -4-hydroxy-3,5'-dimethoxy-1',2',3',4',5',6'-hexahydro-4'-oxo-7.3',8.1'-neolignan	[43]
219	(7R,8S,1'R,2'S,3'S)-1',2'-dihydro-2'-hydroxy-3,3',5'-trimethoxy-4,5-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene-4'(3'H)-one	(7R,8S,1'R,2'S,3'S)- Δ^8 -2'-hydroxy-3,3',5'-trimethoxy-4,5-methylenedioxy-1',2',3',4'-tetrahydro-4'-oxo-7.3',8.1'-neolignan	[50]
220	<i>rel</i> -(7S,8S,1'R,2'S,3'R)-2'-acetoxy-1',2'-dihydro-5'-methoxy-3,4-methylenedioxy-7.3',8.1'-cycloneolign-8'-ene-4'(3'H)-one	<i>rel</i> -(7S,8S,1'R,5'R,6'S)- $\Delta^{2,8}$ -6'-acetoxy-3'-methoxy-3,4-methylenedioxy-4'-oxo-8.1',7.5'-neolignan	[59]

221	<i>rel</i> -(7 <i>S</i> ,8 <i>R</i> ,1' <i>R</i> ,3' <i>S</i> ,4' <i>S</i> ,5' <i>S</i>)-3',4',5',6'-tetrahydro-4'-hydroxy-3,3',5'-trimethoxy-4,5-methylenedioxy-7,3',8.1'-cycloolign-8'-ene-2'(1'H)-one	<i>rel</i> -(7 <i>S</i> ,8 <i>R</i> ,1' <i>R</i> ,3' <i>S</i> ,4' <i>S</i> ,5' <i>S</i>)- Δ^8 -4'-hydroxy-3,3',5'-trimethoxy-4,5-methylenedioxy-1',2',3',4',5',6'-hexahydro-2'-oxo-7,3',8.1'-neolignan	[77]
222	<i>rel</i> -(7 <i>S</i> ,8 <i>R</i> ,1' <i>R</i> ,3' <i>S</i> ,4' <i>S</i> ,5' <i>S</i>)-3',4',5',6'-tetrahydro-4'-hydroxy-3,4,5,3',5'-pentamethoxy-7,3',8.1'-cycloolign-8'-ene-2'(1'H)-one	<i>rel</i> -(7 <i>S</i> ,8 <i>R</i> ,1' <i>R</i> ,3' <i>S</i> ,4' <i>S</i> ,5' <i>S</i>)- Δ^8 -4'-hydroxy-3,4,5,3',5'-pentamethoxy-1',2',3',4',5',6'-hexahydro-2'-oxo-7,3',8.1'-neolignan	[77]
223	<i>rel</i> -(7 <i>R</i> ,8 <i>R</i> ,1' <i>R</i> ,3' <i>R</i> ,4' <i>R</i> ,5' <i>S</i>)-3',4',5',6'-tetrahydro-4'-hydroxy-5'-methoxy-3,4-methylenedioxy-7,3',8.1'-cycloolign-8'-ene-2'(1'H)-one	<i>rel</i> -(7 <i>S</i> ,8 <i>S</i> ,1' <i>S</i> ,3' <i>R</i> ,4' <i>S</i> ,5' <i>S</i>)- Δ^8 -4'-hydroxy-3'-methoxy-3,4-methylenedioxy-6'-oxo-8.1',7.5'-neolignan	[59]
224	(7 <i>R</i> ,8 <i>S</i> ,1' <i>S</i> ,2' <i>S</i> ,3' <i>S</i> ,4' <i>R</i>)-1',2',3',4'-tetrahydro-2',4'-dihydroxy-3,3'-dimethoxy-4,5-methylenedioxy-7,3',8.1'-cycloolign-8'-ene-5'(6'H)-one	(7 <i>R</i> ,8 <i>S</i> ,1' <i>S</i> ,2' <i>S</i> ,3' <i>S</i> ,4' <i>R</i>)- Δ^8 -2',4'-dihydroxy-3,3'-dimethoxy-4,5-methylenedioxy-1',2',3',4',5',6'-hexahydro-5'-oxo-7,3',8.1'-neolignan	[50]
227	<i>rel</i> -(7 <i>R</i> ,8 <i>R</i> ,1' <i>R</i> ,2' <i>R</i> ,3' <i>S</i> ,4' <i>R</i> ,5' <i>R</i>)-1',2',3',4',5',6'-hexahydro-2',4'-dihydroxy-5'-methoxy-3,4-methylenedioxy-7,3',8.1'-cycloolign-8'-ene	<i>rel</i> -(7 <i>S</i> ,8 <i>S</i> ,1' <i>S</i> ,3' <i>R</i> ,4' <i>S</i> ,5' <i>S</i> ,6' <i>S</i>)- Δ^8 -4',6'-dihydroxy-3'-methoxy-3,4-methylenedioxy-8.1',7.5'-neolignan	[59]
228	(7 <i>R</i> ,8 <i>R</i> ,1' <i>S</i> ,3' <i>S</i>)-4-hydroxy-3,5'-dimethoxy-7,3',8.1'-cycloolign-8'-ene-2',4'(1'H,3'H)-dione	(7 <i>R</i> ,8 <i>R</i> ,1' <i>S</i> ,3' <i>S</i>)- Δ^8 -4-hydroxy-3,5'-dimethoxy-1',2',3',4'-tetrahydro-4'-oxo-7,3',8.1'-neolignan	[43]
229	<i>rel</i> -(7 <i>R</i> ,8 <i>R</i> ,1' <i>S</i> ,3' <i>S</i>)-5'-methoxy-3,4-methylenedioxy-7,3',8.1'-cycloolign-8'-ene-2',4'(1'H,3'H)-dione	<i>rel</i> -(1 <i>R</i> ,5 <i>S</i> ,6 <i>R</i> ,7 <i>R</i>)-1-allyl-3-methoxy-7-methyl-4,8-dioxo-6-piperonylbicyclo[3,2,1]oct-2-ene	[69]
230	(7 <i>R</i> ,8 <i>R</i> ,1' <i>S</i> ,3' <i>S</i>)-3,5'-dimethoxy-4,5-methylenedioxy-7,3',8.1'-cycloolign-8'-ene-2',4'(1'H,3'H)-dione	(7 <i>S</i> ,8 <i>R</i> ,1' <i>R</i> ,3' <i>S</i>)- Δ^8 -3,5'-dimethoxy-4,5-methylenedioxy-1',2',3',4'-tetrahydro-2',4'-dioxo-7,3',8.1'-neolignan	[25]
231	(7 <i>R</i> ,8 <i>R</i> ,1' <i>S</i> ,3' <i>S</i>)-3,4,5,5'-tetramethoxy-3,4-methylenedioxy-7,3',8.1'-cycloolign-8'-ene-2',4'(1'H,3'H)-dione	(7 <i>S</i> ,8 <i>R</i> ,1' <i>R</i> ,3' <i>S</i>)- Δ^8 -3,4,5,5'-tetramethoxy-1',2',3',4'-tetrahydro-2',4'-dioxo-7,3',8.1'-neolignan	[25]
232	(7 <i>S</i> ,8 <i>R</i> ,1' <i>R</i> ,2' <i>S</i> ,3' <i>R</i>)-2'-acetoxy-1',2',5',6'-tetrahydro-3,5'-dimethoxy-3,4-methylenedioxy-7,3,8.1'-cycloolign-8'-ene-4'(3'H)-one	(7 <i>S</i> ,8 <i>R</i> ,1' <i>S</i> ,2' <i>S</i> ,3' <i>R</i>)- Δ^8 -1',2',3',4'-tetrahydro-4'-oxo-7,3',8.1'-neolignan	[80]
246	(7 <i>R</i> ,8 <i>R</i> ,3' <i>S</i> ,5' <i>S</i>)-3,4,5,5'-tetramethoxy-7,3',8.5'-cycloolign-8'-ene-2',4'(3'H,5'H)-dione	(7 <i>R</i> ,8 <i>R</i> ,3' <i>S</i> ,5' <i>S</i>)- Δ^8 -3,4,5,5'-tetramethoxy-2',3',4',5'-tetrahydro-2',4'-dioxo-7,3',8.5'-neolignan	[28]

Table 5. Semi-systematic names and names in references of uncommon lignans

No.	Semi-systematic names	Names in references	Ref.
258	(7R,8S)-7,5'-Epoxy-3,2'-dimethoxy-4,5-methylenedioxy-1',7'-seco-8,4'-neolign-8'-ene-1',7'-ether	(2R,3S)-6-O-allyl-5-methoxy-2-(3'-methoxy-4',5'-methylenedioxyphenyl)-3-methyl-2,3-dihydrobenzofuran	[46]
259	(7S,8S)-7,5'-epoxy-3,2'-dimethoxy-4,5-methylenedioxy-1',7'-seco-8,4'-neolign-8'-ene-1',7'-ether	(2S,3S)-6-O-allyl-5-methoxy-2-(3'-methoxy-4',5'-methylenedioxyphenyl)-3-methyl-2,3-dihydrobenzofuran	[46]
260	(7S,8S)-7,5'-epoxy-3,4,5,2'-tetramethoxy-1',7'-seco-8,4'-neolign-8'-ene-1',7'-ether	(2S,3S)-6-O-allyl-5-methoxy-2-(3',4',5'-trimethoxyphenyl)-3-methyl-2,3-dihydrobenzofuran	[64]
261	(7S,8S)-7,5'-epoxy-3,4,5,2',5'-pentamethoxy-1',7'-seco-8,4'-neolign-8'-ene-1',7'-ether	(2S,3S)-6-O-allyl-5,7-dimethoxy-2-(3',4',5'-trimethoxyphenyl)-3-methyl-2,3-dihydrobenzofuran	[46]
262	(7S,8S)-7,5'-epoxy-2'-methoxy-4,5-methylenedioxy-1',7'-seco-8,4'-neolign-8'-ene-1',7'-ether	(2S,3S)-6-O-allyl-5-methoxy-3-methyl-2-piperonyl-2,3-dihydrobenzofuran	[42]
263	(7S,8S)-7,5'-epoxy-2',6'-dimethoxy-4,5-methylenedioxy-1',7'-seco-8,4'-neolign-8'-ene-1',7'-ether	(7S,8S)- $\Delta^{1',3',5',8'}$ -3',5'-trimethoxy-3,4-methylenedioxy-8.1',7.O.6',4'.O.7'-neolignan	[45]
264	(7S,8S)-7,5'-epoxy-3,2',6'-trimethoxy-4,5-methylenedioxy-1',7'-seco-8,4'-neolign-8'-ene-1',7'-ether	(7S,8S)- $\Delta^{1',3',5',8'}$ -5,3',5'-trimethoxy-3,4-methylenedioxy-8.1',7.O.6',4'.O.7'-neolignan	[45]
267	<i>rel</i> -2'-methoxy-3,4-methylenedioxy-1',7'-seco-8,4'-neolign-8'-ene-1',7'-ether	<i>rel</i> -(8S)- $\Delta^{8'}$ -3'-methoxy-3,4-methylenedioxy-7-oxo-8.1',7':1'O.4'-neolignan	[59]