

Table S1. Isolated homoisoflavonoid derivatives from Asparagaceae family

Plant species	Subjected soluble fraction/plant part	Method of isolation/purification	Name	Reference
<i>Agave sisalana</i>	EtOAc/L	HPLC [NHEX–EtOAc 7:1; NHEX–EtOAc–Me ₂ CO 7:1:0.5]	7- <i>O</i> -methyleucomol	[73]
			3'-deoxysappanon	
			(±)-3,9-dihydroeucomin	
		HPLC [NHEX–EtOAc 3.5:1; NHEX–EtOAc–Me ₂ CO 7:1:1]	dihydro-bonducellin	
			7-hydroxy-3-(4-hydroxybenzyl)chroman	
		HPLC [NHEX–EtOAc 3:1]	5,7-dihydroxy-3-(4'-hydroxy-benzyl)-4-chromanone	
<i>Agave tequilana</i>	EtOAc/Fr Me ₂ CO/Fr	CC [NHEX–EtOAc 9:1 to 1:9], FC [NHEX–EtOAc 8:2]	5,7-dihydroxy-3-(4-methoxybenzyl)-chroman-4-one	[74]
			7-hydroxy-3-(4-hydroxybenzyl)-chroman-4-one	
			4'-demethyl-3,9-dihydro-punctatin	
<i>Albuca fastigiata</i>	CH ₂ Cl ₂ /bulb	CC [CH ₂ Cl ₂ –MeOH 99:1]	3,5-dihydroxy-7-methoxy-3-(4'-hydroxy-3'-methoxybenzyl)-4-chromanone	[79]
<i>Bellevalia eigii</i>	MeOH–MeCN/bulb	HPLC [MeOH–H ₂ O (0.1% HCO ₂ H) 70:30 to 90:10]	7- <i>O</i> -methyl-3,9-dihdropunctatin	[53]
		HPLC [MeOH–H ₂ O (0.1% HCO ₂ H) 50:50 to 60:40]	7- <i>O</i> -methylpunctatin	
			8- <i>O</i> -demethyl-7- <i>O</i> -methyl-3,9-dihdropunctatin	
			7- <i>O</i> -methyl-3'-hydroxy-3,9-dihdropunctatin	
			5,7-dihydroxy-3-(3'-hydroxy-4'-methoxybenzyl)-4-chromanone	
			5,6-dihydroxy-3-(4-hydroxybenzyl)-7-methoxy-4-chromanone	
			6-hydroxy-7- <i>O</i> -methyl-3,9-dihdropunctatin	
			7,4'-di- <i>O</i> -methyl-3'-hydroxy-3,9-dihdropunctatin	
			demethyleucomin	
			punctatin	
			7- <i>O</i> -methyl-3'-hydroxypunctatin	

<i>Bellevaia flexuosa</i>	CHCl ₃ /bulb	HPLC [MeOH–H ₂ O (0.1% HCO ₂ H) 50:50 to 100:0]	5-hydroxy-7,8-dimethoxychroman-4-one	[54]
			7- <i>O</i> -methyl-8-demethoxy-3-hydroxy-3,9-dihdropunctatin	
			isomuscomosin	
			4',5,7-trihydroxyhomoisoflavanone	
		HPLC [MeCN–H ₂ O (0.1% HCO ₂ H) 40:60 to 50:50]	3',4',5,7-tetrahydroxyhomoisoflavanone	
			4',5,7-trihydroxyhomoisoflavanone	
			isomuscomosin	
			3-(4-hydroxybenzyl)-5-hydroxy-6,7,8-trimethoxychroman-4-one	
		HPLC [MeCN–H ₂ O (0.1% HCO ₂ H) 40:60 to 60:40]	7- <i>O</i> -methyl-8-demethoxy-3-hydroxy-3,9-dihdropunctatin	
			7,4'- <i>O</i> -dimethyl-8-demethoxy-3,3'-dihydroxy-3,9-dihdropunctatin	
			3'-hydroxy-3,9-dihydroeucomin	
			3,9-dihdropunctatin	
		HPLC [MeCN–H ₂ O (0.1% HCO ₂ H) 40:60 to 50:50] and [MeOH–H ₂ O (0.1% HCO ₂ H) 60:40 to 70:30]	7- <i>O</i> -methyl-8-demethoxy-3'-hydroxy-3,9-dihdropunctatin	
			8- <i>O</i> -demethyl-7- <i>O</i> -methyl-3,9-dihdropunctatin	
			7- <i>O</i> -methyl-3'-hydroxypunctatin	
			7- <i>O</i> -methylpunctatin	
		HPLC [MeCN–H ₂ O (0.1% HCO ₂ H) 30:70 to 40:60] HPLC [MeCN–H ₂ O (0.1% HCO ₂ H) 28:72] HPLC [MeOH–H ₂ O (0.1% HCO ₂ H) 50:50 to 60:40]	7,4'-di- <i>O</i> -methyl-3'-hydroxy-3,9-dihdropunctatin	
			7- <i>O</i> -methyl-3,9-dihdropunctatin	
			6-hydroxy-8-demethoxy-4'- <i>O</i> -methyl-3,9-dihdropunctatin	
			6-hydroxy-7- <i>O</i> -methyl-3,9-dihdropunctatin	
			7- <i>O</i> -methyl-3-hydroxy-3,9-dihdropunctatin	
			5-hydroxy-7,8-dimethoxychroman-4-one	
<i>Bellevaia saviczii</i>	CH ₂ Cl ₂ /R	MPLC [MeOH–H ₂ O 20:80 to 100:0]	dracol	[55]
<i>Bessera elegans</i>	MeOH/bulb	CC [CHCl ₃ –MeOH–H ₂ O 100:10:1], RP-CC [MeOH–H ₂ O 2:1]	(3 <i>R</i>)-5,7-dihydroxy-6-methyl-3-(3'-hydroxy-4'-methoxybenzyl)chroman-4-one	[80]
			(3 <i>R</i>)-5,7,3'-trihydroxy-4'-methoxy-6-methylspiro[2 <i>H</i> -1-benzopyran-7'-bicyclo[4.2.0]octa[1,3,5]-trien]-4-one	
<i>Chlorophytum inornatum</i>	NHEX/R	SLH, RP-PTLC [MeOH–H ₂ O 85:15]	3-(4'-methoxybenzyl)-7,8-methylenedioxy-chroman-4-one	[81]
<i>Disporopsis aspera</i>	EtOAc/rhizome	PTLC [NHEX–EtOAc 4:6]	3-(2',4'-dihydroxybenzyl)-5,7-dihydroxy-chroman-4-one (syn. <i>disporopsin</i>)	[82]

		CC [NHEX–EtOAc 1:0, 9:1, 8:2, 7:3, 6:4, 1:1], PTLC [NHEX–EtOAc 6:4]	3-(4'-hydroxy-benzyl)-5,7-dihydroxy-6-methyl-8-methoxy-chroman-4-one	
		CC [NHEX–EtOAc 1:0, 9:1, 8:2, 7:3, 6:4, 1:1], PTLC [NHEX–EtOAc 7:3]	3-(4'-hydroxy-benzyl)-5,7-dihydroxy-6-methylchroman-4-one 3-(4'-hydroxy-benzyl)-5,7-dihydroxy-6,8-dimethyl-chroman-4-one	
<i>Dracaena cambodiana</i>	EtOAc/St	CC [CHCl ₃ –MeOH 50:1 to 30:1], SLH [EtOH]	cambodianol	[56]
<i>Dracaena cinnabari</i>	CHCl ₃ /resin	CC [NHEX–EtOAc], HPLC [MeOH–H ₂ O (0.2% HOAc)]	7-hydroxy-3-(3-hydroxy-4-methoxybenzyl)chroman	[57]
		CC [NHEX–EtOAc]	7-hydroxy-3-(4-hydroxybenzyl)-8-methoxychroman	
			3-(4-hydroxybenzyl)-7,8-methylenedioxychroman	
			7-hydroxy-3-(4-hydroxybenzyl)chroman	
<i>Dracaena cochinchinensis</i>	EtOAc/resin (Chinese dragon's blood)	SLH [MeOH], HPLC [MeCN–H ₂ O 35:65]	(7 <i>R</i> ,12 <i>bR</i>)-7,10-dihydroxy-4,11-dimethoxydracaenone	[59]
			10-hydroxy-11-methoxydracaenone	
			(7 <i>S</i> ,12 <i>bS</i>)-11-hydroxy-1,10-dimethoxydracaenone	
			(7 <i>S</i> ,12 <i>bS</i>)-10,11-dihydroxy-1-methoxydracaenone	
		SLH [MeOH], HPLC [MeOH–H ₂ O 58:42]	(3 <i>S</i>)-3,7,4'-trihydroxy-5-methoxyhomoisoflavanonol	[60]
			(3 <i>R</i>)-7,4'-dihydroxy-6-methoxyhomoisoflavane	
		CC [PE–EtOAc 5:1 to 0:1]	7,4'-dihydroxyhomoisoflavanone	
			loureiriol	
		HPLC [MeOH–H ₂ O 30:70]	7,4'-dihydroxy-5-methoxyhomoisoflavanone	
			5,4'-dihydroxy-7- methoxyhomoisoflavone	
		RP-CC [MeOH–H ₂ O 4:6 to 1:0], CC [CHCl ₃ –MeOH 20:1 to 5:1], RP-CC [MeOH–H ₂ O 1:1 to 1:0]	dracaconolide A	
			(3 <i>R</i>)-6,4'-dihydroxy-8-methoxyhomoisoflavan	
	MeOH/resin	SLH [MeOH], HPLC [MeCN–H ₂ O 44:56 to 47:53, MeOH–H ₂ O 65:35 to 67:33]	dracaconolide B	[61]
			(3 <i>R</i>)-7,4'-dihydroxy-8-methoxyhomoisoflavane	
			(3 <i>R</i>)-7-hydroxy-3-(4-hydroxybenzyl)chromane	
			(3 <i>R</i>)-7,4'-dihydroxy-5-methoxy-homoisoflavane	
		HPLC [MeCN–H ₂ O 50:50]	biflavocochin A	
			biflavocochin G	
	EtOAc/St	CC, SLH	biflavocochin E	[62]
			biflavocochin B	
			biflavocochin D	
			biflavocochin F	
			10,11-dihydroxydracaenone C	

			7,4'-dihydrohomoisoflavanone	
			7,4'-homoisoflavane	
<i>Dracaena draco</i>	Me ₂ CO/resin	CC [CH ₂ Cl ₂ –MeOH 99:1, 95:5, 90:10, 85:5, 80:20], PTLC [NHEX–CHCl ₃]	7-hydroxy-3-(4-hydroxybenzyl)chromane	[64]
			5,7-dihydroxy-6-methoxy-3-(4-hydroxy-benzyl)-chroman-4-one	
		CC [CH ₂ Cl ₂ –MeOH 99:1, 95:5, 90:10, 85:5, 80:20], FC [NHEX–EtOAc 1:0, 9:1, 8:2, 7:3, 6:4, 1:1], PTLC [NHEX–EtOAc 8:2; NHEX–CHCl ₃ 3:1]	7-hydroxy-3-(4-hydroxybenzyl)-8-methylchromane	
			5,7-dihydroxy-6,8-dimethyl-3-(4-hydroxy-benzyl)-chromane-4-one	
			7-hydroxy-3-(4-hydroxybenzyl)-8-methoxylchromane	
			7-hydroxy-3-(4-hydroxybenzyl)-5-methoxychromane	
		CC [CH ₂ Cl ₂ –MeOH 99:1, 95:5, 90:10, 85:5, 80:20], PTLC [CHCl ₃ –EtOAc 9:1]	7-hydroxy-3-(4-hydroxybenzyl)-chroman-4-one	
			5,7-dihydroxy-3-(4-hydroxy-benzyl)-chroman-4-one	
		CC [CH ₂ Cl ₂ –MeOH 99:1, 95:5, 90:10, 85:5, 80:20], CC [NHEX–EtOAc]	5,7-dihydroxy-6-methyl-3-(4-hydroxy-benzyl)-chromane-4-one	
			5,8-dihydroxy-7-methoxy-3-(4-hydroxy-benzyl)-chroman-4-one	
	EtOH/L	SLH [NHEX–CH ₂ Cl ₂ –MeOH 2:1:1] and PTLC [NHEX–EtOAc 85:15]	(3 <i>R</i>)-2,3-dihydro-3,5-dihydroxy-7-methoxy-3-[(4-methoxyphenyl)-methyl]-8-methyl-4 <i>H</i> -[1]benzopyran-4-one (syn. dracol)	[63]
		SLH [NHEX–CH ₂ Cl ₂ –MeOH 2:1:1] and PTLC [CH ₂ Cl ₂ –Me ₂ CO 15:1, toluene– <i>i</i> -PrOH 10:1]	5,7-dihydroxy-3-(4-hydroxybenzyl)chromone	
<i>Dracaena loureiri</i>	n.d/St	CC, PTLC	(7 <i>S</i> , 12 <i>bR</i>)-10-hydroxy-11-methoxy-dracaenone	[65]
			(7 <i>R</i> , 12 <i>bR</i>)-7,10-dihydroxy-11-methoxy-dracaenone	
			(3 <i>S</i>)-7,4-dihydroxy-3-(4-hydroxybenzyl)chromane	
			(3 <i>R</i>)-eucomol	
<i>Drimia delagoensis</i>	CH ₂ Cl ₂ /bulb	CC [EtOAc–CHCl ₃ 2:10]	5,7-dihydroxy-(4-hydroxy-3-methoxybenzyl)chroman-4-one	[83]
<i>Drimiopsis barteri</i>	MeOH–CHCl ₃ /L, bulb	CC [CHCl ₃ –PE 7:3], PTLC [CHCl ₃ –PE–MeOH 7:2:0.5]	5,6,7-trihydroxy-3-(4-hydroxybenzyl)chroman-4-one	[84]
<i>Eucomis autumnalis</i>	<i>n</i> -BuOH/bulb	CC [NHEX–CH ₂ Cl ₂ 50:50 to 0:100], CC [CH ₂ Cl ₂ –EtOAc 50:50], CC [CH ₂ Cl ₂ –MeOH 50:50]	3 <i>R</i> -(4'-hydroxybenzyl)-6,8-dihydroxy-5,7-dimethoxy-4-chromanone	[67]
<i>Eucomis comosa</i>	EtOAc/bulb	CC [EtOAc (0 to 100%)–NHEX]	7-hydroxy-5-methoxy-3-(4'-hydroxybenzyl)-4-chromanone	[66]
			5,7-dihydroxy-8-methoxy-3-(4'-hydroxybenzyl)-4-chromanone (syn. 3,9-dihdropunctatin)	
			punctatin	
			(<i>Z</i>)-eucomin	
			(<i>E</i>)-eucomin	

<i>Eucomis montana</i>	CH ₂ Cl ₂ /bulb	CC [CH ₂ Cl ₂]	3,9-dihydroeucomin	[68]
			7- <i>O</i> -methyleucomol	
		CC [EtOAc–CH ₂ Cl ₂ 1:9]	eucomol	
		CC [EtOAc–CH ₂ Cl ₂ 3:17]	5,6-dimethoxy-7-hydroxy-3-(4'-hydroxybenzyl)-4-chromanone	
	EtOAc/bulb	CC [CH ₂ Cl ₂]	4'-demethyl-5- <i>O</i> -methyl-3,9-dihydroeucomin	
			eucomin	
		CC [EtOAc–CH ₂ Cl ₂ 1:9]	8- <i>O</i> -demethyl-7- <i>O</i> -methyl-3,9-dihdropunctatin	
		CC [EtOAc–CH ₂ Cl ₂ 1:4]	7- <i>O</i> -methyl-3,9-dihdropunctatin	
	MeOH/bulb		3',5,7-trihydroxy-4'-methoxyspiro[2H-1-benzopyran-3(4H),7'-bicyclo[4.2.0]octa-1,3,5-trien]-4-one	
		CC [EtOAc–CH ₂ Cl ₂ 2:3]	4'-demethyl-3,9-dihydroeucomin	
			4'- <i>O</i> -demethyleucomol	
<i>Eucomis pallidiflora</i> subsp. <i>pole-evansii</i>	CH ₂ Cl ₂ /bulb	CC [CH ₂ Cl ₂ –MeOH 98:2]	8-methoxy-5,6,7-trihydroxy-3-(4'-hydroxybenzylidene)-4-chromanone	[66]
<i>Eucomis schijffii</i>	CH ₂ Cl ₂ /bulb	CC [CH ₂ Cl ₂]	scillascillin	[66]
<i>Eucomis vandermerwei</i>	CH ₂ Cl ₂ /bulb	CC [CH ₂ Cl ₂]	(<i>E</i>)-5,7-dihydroxy-3-(4'-methoxybenzylidene)-4-chromanone	[69]
			(<i>R</i>)-5,7-dihydroxy-3-(4'-methoxybenzyl)-4-chromanone	
	MeOH/bulb	CC [CH ₂ Cl ₂ –MeOH 98:2]	3,5,7-trihydroxy-3-(4'-methoxybenzyl)-4-chromanone	
		CC [CH ₂ Cl ₂ –MeOH 95:5]	(<i>R</i>)-5,6-dimethoxy-7-hydroxy-3-(4'-hydroxybenzyl)-4-chromanone	
<i>Eucomis zambesiaca</i>	MeOH/bulb	CC [CH ₂ Cl ₂ –MeOH 98:2]	(<i>R</i>)-5,7-dihydroxy-8-methoxy-3-(4'-hydroxybenzyl)-4-chromanone	[69]
			(<i>R</i>)-5,7-dihydroxy-6-methoxy-3-(4'-hydroxybenzyl)-4-chromanone	
			(<i>R</i>)-5,7-dihydroxy-8-methoxy-3-(4'-methoxybenzyl)-4-chromanone	
		CC [CH ₂ Cl ₂ –MeOH 99:1]	(<i>E</i>)-5,7-dihydroxy-8-methoxy-3-(4'-methoxybenzylidene)-4-chromanone	
			(<i>E</i>)-5,7-dihydroxy-3-(4'-methoxybenzylidene)-4-chromanone	
<i>Herreria montevidensis</i>	CHCl ₃ /R	SLH [MeOH] and HPLC [MeOH–H ₂ O 5:5]	(3 <i>R</i>)-7-hydroxy-8-methoxy-3-(4-hydroxybenzyl)chroman	[85]
			(3 <i>R</i>)-7-hydroxy-8-methoxy-3-(4-hydroxybenzyl)chroman	
		HPLC [MeOH–H ₂ O 5:5]	(3 <i>R</i>)-7-methoxy-3-(4-hydroxybenzyl)chroman	
			(3 <i>R</i>)-7-hydroxy-5-methoxy-6-methyl-3-(4-hydroxybenzyl)chroman	

			HPLC [MeOH–H ₂ O 7:3]	(3R)-7-hydroxy-5-methoxy-6-methyl-3-(4-hydroxybenzyl)chroman	
				(3R)-7-methoxy-3-(4-hydroxybenzyl)chroman	
				(3R)-5,7-dimethoxy-6-methyl-3-(4-hydroxybenzyl)chroman	
				(3R)-5,7-dimethoxy-6-methyl-3-(4-hydroxybenzyl)chroman	
				7-hydroxy-8-methoxy-3-(4-hydroxybenzyl)-3-chromen	
<i>Ledebouria</i>	MeOH/R	HPLC [MeOH–H ₂ O 7:3]		7-hydroxy-8-methoxy-3-(4-hydroxybenzyl)-3-chromen	
				7-hydroxy-8-methoxy-3-(4-hydroxybenzyl)-3-chromen	
				5-hydroxy-7-methoxy-3-(4'-hydroxybenzyl)-4-chromanone	
				5-hydroxy-6,7-dimethoxy-3-(4'-hydroxybenzyl)-4-chromanone	
				5,7,8-trimethoxy-3-(4'-hydroxybenzyl)-4-chromanone	
<i>Ledebouria graminifolia</i>	CH ₂ Cl ₂ –MeOH/bulb	SLH, PTLC [CHCl ₃ –MeOH 95:5]		5-hydroxy-3',4',7-trimethoxyspiro{2H-1-benzopyran-7'-bicyclo[4.2.0]octa[1,3,5]-trien}-4-one	[70]
				5,7-dihydroxy-3',4'-dimethoxyspiro{2H-1-benzopyran-7'-bicyclo[4.2.0]octa[1,3,5]-trien}-4-one	
				2-hydroxy-7-O-methylscillascillin	
				(R)-5,7-dihydroxy-3-(4'-hydroxybenzyl)chroman-4-one	
				(R)-5,7-dihydroxy-3-(4'-methoxybenzyl)chroman-4-one	
<i>Ledebouria ovatifolia</i>	CH ₂ Cl ₂ /bulb	CC [NHEX–CH ₂ Cl ₂], CC [CH ₂ Cl ₂ –MeOH]		(R)-7-hydroxy-3-(4'-hydroxybenzyl)-5-methoxychroman-4-one	[71]
				(R)-3-(3',4'-dihydroxybenzyl)-7-hydroxy-5-methoxychroman-4-one	
				(E)-3-(3',4'-dihydroxybenzylidene)-7-hydroxy-5-methoxychroman-4-one	
				(E)-3-(3',4'-dihydroxybenzylidene)-5,7-dihydroxychroman-4-one (syn. ovatifolionone)	
				(R)-2',5-dihydroxy-3',4',7-trimethoxyspiro{2H-1-benzopyran-3-(4H)-9-bicyclo[4.2.0]octa[1,3,5]triene}-4-one (syn. socialinone)	
<i>Ledebouria socialis</i>	CH ₂ Cl ₂ /bulb	CC [NHEX–CH ₂ Cl ₂], CC [CH ₂ Cl ₂ –MeOH], PTLC [EtOAc–CH ₂ Cl ₂ 10:90]		(–)-liriopein A	[86]
				(–)-liriopein B	
<i>Liriope platyphylla</i>	hydro-ethanolic/R	CC [CH ₂ Cl ₂ –MeOH 98:2], SLH [CH ₂ Cl ₂ –EtOAc–MeOH 1:1:6], HPLC [MeOH–H ₂ O 65:35]		(3R)-3-(4'-hydroxybenzyl)-5,7-dihydroxylchroman-4-one	
		CC [CH ₂ Cl ₂ –MeOH 96.5:3.5], RP-CC [MeOH–H ₂ O 75:25]		3-(4'-hydroxybenzylidene)-5,7-dihydroxychroman-4-one	
		SLH [CH ₂ Cl ₂ –EtOAc–MeOH 1:1:6], RP-CC [MeOH–H ₂ O 65:35]			

		SLH [CH ₂ Cl ₂ –EtOAc–MeOH 1:1:6], HPLC [MeOH–H ₂ O 75:25]	(3 <i>R</i>)-3-(4'-hydroxybenzyl)-5,7-dihydroxy-6-methyl-chroman-4-one	
		RP-CC [MeOH–H ₂ O 60:40], HPLC [MeOH–H ₂ O 50:50]	(3 <i>R</i>)-3-(2',4'-dihydroxybenzyl)-5,7-dihydroxychroman-4-one	
			(3 <i>R</i>)-3-(2',4'-dihydroxybenzyl)-5,7-dihydroxy-6-methyl-chroman-4-one	
		RP-CC [MeOH–H ₂ O 75:25]	(3 <i>R</i>)-3-(4'-hydroxybenzyl)-3,5-dihydroxy-7-methoxy-6-methylchroman-4-one	
	EtOAc/AP	CC [CH ₂ Cl ₂ –MeOH 20:1 to 15:1], HPLC [MeCN–H ₂ O 45:55]	3-(2',4'-dihydroxybenzyl)-5,7-dihydroxy-6-methylchroman-4-one	[87]
		HPLC [MeOH–H ₂ O 60:40]	3-(2',4'-dihydroxy-benzyl)-5,7-dihydroxy-6-methylchroman-4-one	
<i>Massonia bifolia</i>	EtOH/bulb	CC [CH ₂ Cl ₂ –EtOAc], SLH [CH ₂ Cl ₂ –MeOH 1:1]	(<i>R</i>)-(4'-hydroxy)-5-hydroxy-7-methoxy-4-chromanone	[72]
			(<i>R</i>)-(4'-hydroxy)-5,7-dihydroxy-4-chromanone	
			(<i>E</i>)-3-benzylidene-(3',4'-dihydroxy)-5-hydroxy-7-methoxy-4-chromanone	
			(<i>R</i>)-(3'-hydroxy-4'-methoxy)-5,7-dihydroxy-4-chromanone	
			(<i>E</i>)-3-(3',4'-dihydroxybenzylidene)-5-hydroxy-7-methoxy-4-chromanone	
<i>Massonia pustulata</i>	CH ₂ Cl ₂ /bulb	CC [CH ₂ Cl ₂ –EtOAc], SLH [CH ₂ Cl ₂ –MeOH 1:1]	(<i>R</i>)-5-hydroxy-3-(4-hydroxybenzyl)-7-methoxy-4-chromanone	[73]
			5-hydroxy-3-(4-hydroxybenzyl)-7-methoxy-4-chromone	
<i>Ophiopogon japonicus</i>	ether/subterranean	CC [Bz], recryst.	methylophiopogonone A	[22]
			methylophiopogonanone A	
			5-hydroxy-7, 8-dimethoxy-6-methyl-3-(3', 4'-dihydroxybenzyl)chroman-4-one	
		CC [NHEX–Me ₂ CO 8:2], recryst.	ophiopogonanone A	
			ophiopogonone A	
		HPLC [MeCN–H ₂ O 1:1]	desmethylisophiopogonone B	
			5,7,2'-trihydroxy-6-methyl-3-(3', 4'-methylenedioxybenzyl)chromone	
			5,7,2'-trihydroxy-8-methyl-3-(3', 4'-methylenedioxybenzyl)chromone	
	EtOH–EtOAc/tuber	recryst. [CHCl ₃ –MeOH]	ophiopogonanone C	[21]
		SLH [MeOH–H ₂ O 4:1]	ophiopogonanone D	
			ophiopogonone C	

	PTLC [CHCl ₃ –EtOAc 20:1]	ophiopogonanone E	
		ophiopogonanone F	
		5,7,2'-trihydroxy-6-methyl-3-(3',4'-methylenedioxybenzyl)chromone	
		2'-hydroxymethylphiopogonone A	
CHCl ₃ /tuber	CC [NHEX–CHCl ₃]	6-aldehydoisophiopogonone A	[24]
	RP-CC [Me ₂ CO–H ₂ O 3:2]	homoisopogon A	
	RP-CC [Me ₂ CO–H ₂ O 1:1]	homoisopogon C	
		homoisopogon B	
EtOAc/R	HPLC [MeOH–H ₂ O 7:3]	homoisopogon D	[25]
		ophiopogonone D	
EtOAc/tuberous R	FC [NHEX–CHCl ₃ 7:3, CHCl ₃] FC [CHCl ₃ –MeOH 97:3], PTLC [CHCl ₃ –MeOH 95:5] FC [CHCl ₃ –MeOH 95:5] FC [CHCl ₃ –MeOH 95:5], PTLC [CHCl ₃ –MeOH 93:7], SLH [EtOH] CC [CHCl ₃], PTLC [CHCl ₃ –MeOH 93:7, NHEX–EtOAc 1:1] CC [CHCl ₃], SLH [EtOH] CC [NHEX–CHCl ₃ 7:3], PTLC [CHCl ₃] CC [CHCl ₃], PTLC [CHCl ₃ –MeOH 93:7], RP-CC [MeOH–H ₂ O 8:2] RP-CC [MeOH–H ₂ O 8:2], PTLC [NHEX–EtOAc 1:1]	ophiopogonanone G	[26]
		5,7-dihydroxy-8-methoxy-6-methyl-3-(2'-hydroxy-4'-methoxybenzyl)chroman-4-one	
		7-hydroxy-5,8-dimethoxy-6-methyl-3-(2'-hydroxy-4'-methoxybenzyl)chroman-4-one	
		5,7-dihydroxy-6,8-dimethyl-3-(4'-hydroxy-3'-methoxybenzyl)chroman-4-one	
		2,5,7-trihydroxy-6,8-dimethyl-3-(3',4'-methylenedioxybenzyl)-chroman-4-one	
		2,5,7-trihydroxy-6,8-dimethyl-3-(4'-methoxybenzyl)chroman-4-one	
		5,7-trihydroxy-6,8-dimethyl-3-(2'-hydroxy-3',4'-methylenedioxybenzyl)chromone	
		methylophiopogonone A	
		ophiopogonanone A	
		ophiopogonanone B	
		methylophiopogonone A	
		6-formyl-isophiopogonone A	
EtOAc/R	HPLC [MeCN–H ₂ O (0.1% HCO ₂ H) 75:25]	5-hydroxy-7,8-dimethoxy-6-methyl-3-(3',4'-dihydroxybenzyl)chroman-4-one	[10]
	HPLC [MeOH–H ₂ O (0.1% HCO ₂ H) 80:20]	5,7-dihydroxy-6,8-dimethyl-3-(4'-hydroxy-3',8'-dimethoxybenzyl)chroman-4-one	
		ophiopogonone G	
		ophiopogonide A	

hydro-ethanolic (80%)/tuberous R	HPLC [MeOH–H ₂ O 60:40 to 70:30]	ophiopogonone E	[27]
		ophiopogonanone H	
		5,7,4'-trihydroxy-3'-methoxy-6,8-dimethyl homoisoflavanone	
		5,7-dihydroxy-4'-methoxy-6-methyl homoisoflavanone	
		methylophiopogonanone B	
		5,7,2'-trihydroxy-4'-methoxy-6,8-dimethyl homoisoflavanone	
		ophiopogonanone A	
		methylophiopogonanone A	
		5,7,2'-trihydroxy-3',4'-methylenedioxy-6,8-dimethyl homoisoflavone	
		methylophiopogonone A	
MeOH/R	HSCCC [NH ₄ EX–EtOAc–MeOH–MeCN–H ₂ O 1.8:1.0:1.0:1.2:1.0]	ophiopogonanone E	[28]
		5,7,2'-trihydroxy-3',4'-methylenedioxy-8-methyl homoisoflavone	
		7,2'-dihydroxy-5,8,4'-trimethoxy-6-methyl homoisoflavanone	
		5,7,4'-trihydroxyhomoisoflavone	
		5,7,4'-trihydroxy-6-methyl homoisoflavanone	
		methylophiopogonanone A	
		6-aldehydo-isoophiopogonone A	
		6-formyl-isoophiopogonanone A	
		methylophiopogonanone A [syn. 5,7-dihydroxy-6,8-dimethyl-3-(3,4-methylenedioxybenzyl)-chroman-4-one]	
		methylophiopogonanone B [syn. 5,7-dihydroxy-6,8-dimethyl-3-(4-methoxybenzyl)-chroman-4-one]	
Et ₂ O/tuber	SLH [MeOH], SLH [EtOH]	methylophiopogonone A [syn. 5,7-dihydroxy-6,8-dimethyl-3-(3,4-methylenedioxybenzyl)-chromone]	[29]
		methylophiopogonone B [syn. 5,7-dihydroxy-6,8-dimethyl-3-(4-methoxybenzyl)-chromone]	
		methylophiopogonone A [syn. 5,7-dihydroxy-6,8-dimethyl-3-(3,4-methylenedioxybenzyl)-chromone]	
		methylophiopogonone B [syn. 5,7-dihydroxy-6,8-dimethyl-3-(4-methoxybenzyl)-chromone]	
		isoophiopogonone A	
		ophiopogonone A	
		ophiopogonone B	
		ophiopogonanone E	
		ophiopogonanone E	
		ophiopogonanone E	
Hydroethanolic (70%)/rhizome	CC [CHCl ₃ –MeOH 100:0 to 85:15], SLH [CHCl ₃ –MeOH 1:1], CC [CHCl ₃ –MeOH 99:1]	ophiopogonanone E	[30]
		ophiopogonanone E	

		CC [CHCl ₃ –MeOH 100:0 to 85:15], SLH [CHCl ₃ –MeOH 1:1], HPLC [MeCN–H ₂ O 35:65]	desmethylophiopogonone B (syn. 5,7-dihydroxy-3-(4'-hydroxybenzyl)-8-methylchromone)	
			5,7-dihydroxy-6-methyl-3-(4'-hydroxy-benzyl)-chroman-4-one	
			5,7-dihydroxy -6-methyl-3-(4'-hydroxybenzyl)chromone	
			3-(2,4-dihydroxybenzyl)-5-hydroxyl- 7,8-dimethoxy-6-methylchroman-4-one	
			5,7-dihydroxy-3-(4'-hydroxybenzyl) chromone	
	EtOAc/R	CC [CHCl ₃ –MeOH 100:0 to 85:15], SLH [CHCl ₃ –MeOH 1:1]	4'-O-demethylophiopogonanone E	
			ophiopogonone D	
			5,7- dihydroxy-6-methyl-3-(2',4'-dihydroxybenzyl)chroman-4-one	
			6-aldehydo-isoophiopogonanone A	
			6-aldehydo-isoophiopogonanone B	
<i>Ornithogalum dubium</i> Houtt.	EtOH/bulb	CC [PE–EtOAc 50:1, 20:1, 10:1, 5:1, 2:1], HSCCC [NHEX–EtOAc–MeOH–MeCN–H ₂ O 3:2:3.5:1:0.5; 3:2:2.5:1:1.5]	methylphiopogonanone A	[31]
			methylphiopogonanone B	
			(3S)-5-hydroxy-7-methoxy-3-(4-methoxybenzyl)-4-chromanone	
			(3R)-5-hydroxy-7-methoxy-3-(4-methoxybenzyl)-4-chromanone	
			(3S)-5-hydroxy-7-methoxy-3-(4-hydroxybenzyl)-4-chromanone	
	EtOH/bulb	CC [CH ₂ Cl ₂], SLH [MeOH–CH ₂ Cl ₂]	(3R)-3,5-dihydroxy-7-methoxy-3-(4'-hydroxybenzyl)-4-chromanone	[88]
			(3R)-3-hydroxy-7-methoxy-3-(4-hydroxybenzyl)-4-chromanone 5-O-β-D-glucopyranoside	
			(3R)-3-hydroxy-7-methoxy-3-(4-hydroxybenzyl)-5-O-β-D-glucopyranosyl-(1→6)-β-D-glucopyranoside-4-chromanone	
			(3R)-5,7-dihydroxy-8-methyl-3-(2'-hydroxy-4'-methoxybenzyl)-chroman-4-one	
			(3R)-5,7-dihydroxy-6-methyl-3-(2'-hydroxy-4'-methoxybenzyl)-chroman-4-one (syn. polygonatone H)	
<i>Polygonatum cyrtoneura</i>	EtOAc/rhizome	CC [PE–EtOAc 100:1 to 2:1], CC [NHEX–Me ₂ CO 4:1], SLH [CHCl ₃ –MeOH 1:1], PTLC [NHEX–Me ₂ CO 3:1]	5,7-dihydroxy-6,8-dimethyl-3-(4'-hydroxybenzyl)-chroman-4-one	[42]
	petroleum ester/rhizome	CC, HPLC		[43]
		CC [petroleum ester–Me ₂ CO 1:0 to 0:1], SLH [CHCl ₃ –MeOH 1:1], HPLC [MeCN–H ₂ O 25:75 to 60:40]		

				5,7-dihydroxy-6,8-dimethyl-3-(2'-methoxy-4'-hydroxybenzyl)-chroman-4-one	
				5,7-dihydroxy-6-methyl-3-(4'-hydroxybenzyl)-chroman-4-one	
				5,7-dihydroxy-8-methyl-3-(4'-hydroxybenzyl)-chroman-4-one	
				5,7-dihydroxy-6-methyl-3-(4'-methoxybenzyl)-chroman-4-one	
				5,7-dihydroxy-6,8-dimethyl-3-(4'-methoxybenzyl)-chroman-4-one	
				5,7-dihydroxy-3-(4'-methoxybenzyl)-chroman-4-one	
	EtOAc/rhizome	CC, HPLC	CC [petroleum ester–Me ₂ CO 80:20 to 0:100], SLH [CHCl ₃ –MeOH 1:1], HPLC [MeCN–H ₂ O 25:75 to 60:40]	disporopsin	
				5,7-dihydroxy-3-(4'-hydroxybenzyl)-chroman-4-one	
				5,7-dihydroxy-6-methyl-3-(2',4'-dihydroxybenzyl)-chroman-4-one	
				5,7-dihydroxy-3-(2'-hydroxy-4'-methoxybenzyl)-chroman-4-one	
				5-dihydroxy-7-methoxy-6,8-dimethyl-3-(2'-hydroxy-4'-methoxybenzyl)-chroman-4-one	
				polygonatone D	
<i>Polygonatum odoratum</i>	PE/rhizome	CC		5,7-dihydroxy-3-(4'-hydroxybenzylidene)-chroman-4-one	[32]
				(3 <i>R</i>)-5,7-dihydroxy-8-methoxy-3-(4-methoxybenzyl)-6-methylchrom-an-4-one (syn. odoratumone A)	
	EtOAc/rhizome	CC [PE–Me ₂ CO 98:2, 95:5, 90:10, 80:20, 50:50], CC [PE–EtOAc 50:1, 25:1, 10:1, 5:1], SLH [CHCl ₃ –MeOH 4:1]		(3 <i>R</i>)-5,7,8-trihydroxy-3-(4-hydroxybenzyl)-6-methylchroman-4-one (syn. odoratumone B)	[33]
				3-(4'-methoxy-benzyl)-5,7-dihydroxy-6-methyl-8-methoxy-chroman-4-one (syn. methylodoratumanone A)	
				3-(4'-methoxy-benzyl)-5,7-dihydroxy-6,8-dimethyl-chroman-4-one	
				3-(4'-hydroxy-benzyl)-5,7-dihydroxy-6,8-dimethyl-chroman-4-one	
				3-(4'-hydroxy-benzyl)-5,7-dihydroxy-6-methyl-8-methoxy-chroman-4-one	
				3-(4'-hydroxy-benzyl)-5,7-dihydroxy-6-methyl-chroman-4-one	

	CC [PE–Me ₂ CO 98:2, 95:5, 90:10, 80:20, 50:50], SLH	3-(4'-hydroxy-benzyl)-5,7-dihydroxy-6-methyl-8-methoxy-chroman-4-one	
		3-(4'-hydroxyl-benzyl)-5,7-dihydroxy-6-methyl-chroman-4-one	
EtOAc/R	HPLC [MeCN–H ₂ O 40:60 (0.15% triethylamine, 0.18% formic acid)]	2,3-dihydro-3-[(15-hydroxyphenyl)methyl]-5,7-dihydroxy-6-methyl-8-methoxy-4H-1-benzopyran-4-one	[34]
	CC [CHCl ₃ –MeOH–H ₂ O 100:0:0 to 50:50:5], CC [PE–EtOAc 95:5 to 50:50], CC [PE–EtOAc 9:1 to 7:3], SLH [CHCl ₃ –MeOH 1:1], recryst.	5,7-dihydroxy-6,8-dimethyl-3(R)-(3'-hydroxy-4'-methoxybenzyl)-chroman-4-one	[35]
	CC [CHCl ₃ –MeOH–H ₂ O 100:0:0 to 50:50:5], CC [PE–EtOAc 95:5 to 50:50], CC [PE–EtOAc 9:1 to 7:3], SLH [CHCl ₃ –MeOH 1:1], CC [CHCl ₃ –MeOH 95:5]	(±)-5,7-dihydroxy-6,8-dimethyl-3-(2'-hydroxy-4'-methoxybenzyl)-chroman-4-one	
		5,7-dihydroxy-6,8-dimethyl-3-(4'-hydroxybenzyl)chroman-4-one	
	CC [CHCl ₃ –MeOH–H ₂ O 100:0:0 to 50:50:5], CC [PE–EtOAc 95:5 to 50:50], CC [PE–EtOAc 9:1 to 7:3], SLH [CHCl ₃ –MeOH 1:1], SLH [MeOH]	(E)-5,7-dihydroxy-6,8-dimethyl-3-(4'-hydroxybenzylidene)chroman-4-one	
	CC [CHCl ₃ –MeOH–H ₂ O 100:0:0 to 50:50:5], CC [EtOH–H ₂ O 0:100, 30:70, 50:50, 70:30, 95:5], SLH [MeOH–H ₂ O 8:2], SLH [MeOH]	4'-demethyllleucomin 7-O-β-D-glucopyranoside	
	CC [CHCl ₃ –MeOH–H ₂ O 100:0:0 to 50:50:5], CC [PE–EtOAc 95:5 to 50:50], CC [PE–Me ₂ CO 8.5:1.5]	5,7-dihydroxy-6-methyl-8-methoxy-3-(4'-methoxybenzyl)chroman-4-one	
	CC [CHCl ₃ –MeOH–H ₂ O 100:0:0 to 50:50:5], CC [PE–EtOAc 95:5 to 50:50], CC [PE–EtOAc 8:2], SLH [CHCl ₃ –MeOH 1:1]	methylophiopogonanone B	
	CC [CHCl ₃ –MeOH–H ₂ O 100:0:0 to 50:50:5], CC [PE–EtOAc 95:5 to 50:50], PTLC [CHCl ₃ –MeOH 95:5]	5,7-dihydroxy-6-methyl-8-methoxy-3-(4'-hydroxybenzyl)chroman-4-one	
		ophiopogonanone E	
CHCl ₃ /rhizome	SLH, PTLC	(E)-3-(3,4-dihydroxybenzylidene)-5,7-dihydroxy-6,8-dimethylchroman-4-one	[36]
		(E)-3-(3,4-dihydroxybenzylidene)-5,7-dihydroxy-8-methoxy-6-methylchroman-4-one	
EtOH/rhizome	SLH and HPLC	(3R)-5,7-dihydroxyl-6-methyl-8-methoxyl-3-(4'-hydroxylbenzyl)-chroman-4-one	[37]
		(3R)-5,7-dihydroxyl-6,8-dimethyl-3-(4'-hydroxylbenzyl)-chroman-4-one	
		(3R)-5,7-dihydroxyl-6-methyl-3-(4'-hydroxylbenzyl)-chroman-4-one	

			polygonatone A	
			polygonatone B	
			polygonatone C	
EtOAc/n.d	PTLC		5,7-dihydroxy-6,8-dimethyl-3-(4'-hydroxybenzyl)chroman-4-one	[38]
	CC [NHEX-EtOAc]		5,7-dihydroxy-6-methyl-8-methoxy-3-(4'-hydroxybenzyl)chroman-4-one	
EtOAc/rhizome	HPLC [MeCN-H ₂ O (0.18% HCO ₂ H) 60:40]		5,7-dihydroxy-3-(4'-hydroxybenzyl)-6-methylchroman-4-one	[39]
			5,7-dihydroxy-3-(4'-hydroxybenzyl)-6-methyl-8-methoxychroman-4-one	
			5,7-dihydroxy-3-(4'-hydroxybenzyl)-6, 8-dimethylchroman-4-one	
CHCl ₃ /rhizome	RP-CC [MeOH-H ₂ O 70:30 to 100:0], HPLC [MeOH-H ₂ O 60:40]		3-(4'-hydroxybenzyl)-5,7-dihydroxy-6-methyl-8-methoxychroman-4-one	[40]
	RP-CC [MeOH-H ₂ O 70:30 to 100:0], HPLC [MeOH-H ₂ O 65:35]		3-(4'-hydroxybenzyl)-5,7-dihydroxy-6,8-dimethylchroman-4-one	
	RP-CC [MeOH-H ₂ O 70:30 to 100:0], HPLC [MeOH-H ₂ O 70:30]		3-(4'-methoxybenzyl)-5,7-dihydroxy-6-methyl-8-methoxychroman-4-one	
hydroethanolic (60%)/rhizome	HSCCC [PE-EtOAc-MeOH-H ₂ O 2:3:3:2], SLH [MeOH-MeCN 1:1]		(3R)-5,7-dihydroxy-8-methyl-3-(2',4'-dihydroxybenzyl)-chroman-4-one	[41]
			(3R)-5,7-dihydroxy-8-methyl-3-(4'-hydroxybenzyl)-chroman-4-one	
			(3R)-5,7-dihydroxy-3-(2'-hydroxy-4'-methoxybenzyl)-chroman-4-one	
			(3R)-5,7-dihydroxy-3-(4'-hydroxybenzyl)-chroman-4-one	
			(3R)-5,7-dihydroxy-6-methoxy-8-methyl-3-(2',4'-dihydroxybenzyl)-chroman-4-one	
			(3R)-5,7-dihydroxy-8-methoxy-3-(2'-hydroxy-4'-methoxybenzyl)-chroman-4-one	
			(3R)-5,7-dihydroxy-6-methyl-3-(4'-hydroxybenzyl)-chroman-4-one	
			(3R)-5,7-dihydroxy-6-methyl-8-methoxy-3-(4'-hydroxybenzyl)-chroman-4-one	
			(3R)-5,7-dihydroxy-6,8-dimethyl-3-(4'-hydroxybenzyl)-chroman-4-one	

<i>Polygonatum verticillatum</i>	CHCl ₃ –EtOAc/rhizome	HSCCC [PE–EtOAc–MeOH–H ₂ O 2:3:3:2], recryst. CC [Bz–EtOAc 10:0 to 0:10], RP-CC [MeOH–H ₂ O 70:30] CC [Bz–EtOAc 10:0 to 0:10], CC [NHEX–EtOAc 80:20] CC [Bz–EtOAc 10:0 to 0:10], CC [NHEX–EtOAc 85:15]	(3 <i>R</i>)-5,7-dihydroxy-6-methyl-8-methoxy-3-(4'-methoxybenzyl)-chroman-4-one	[44]
			(3 <i>R</i>)-5,7-dihydroxy-3-(2',4'-dihydroxybenzyl)-chroman-4-one	
			5,7-dihydroxy-3-(4-methoxybenzyl)-8-methyl chroman-4-one	
			5,7-dihydroxy-3-(2-hydroxy-4-methoxybenzyl)-8-methylchroman-4-one	
<i>Pseudoprospero firmifolium</i>	CH ₂ Cl ₂ /bulb	CC [CH ₂ Cl ₂ –EtOAc]	5,7-dihydroxy-3-(2-hydroxy-4-methoxybenzyl)-chroman-4-one	[89]
			3,5-dihydroxy-7,8-dimethoxy-3-(3',4'-dimethoxybenzyl)-4-chromanone	
			3,5-dihydroxy-7-methoxy-3-(3',4'-dimethoxybenzyl)-4-chromanone	
			3,5-dihydroxy-7,8-dimethoxy-3-(3'-hydroxy-4'-methoxybenzyl)-4-chromanone	
			3,5,6-trihydroxy-7-methoxy-3-(3'-hydroxy-4'-methoxybenzyl)-4-chromanone	
			3,5,7-trihydroxy-3-(3'-hydroxy-4'-methoxybenzyl)-4-chromanone	
<i>Resnova humifusa</i>	CH ₂ Cl ₂ /bulb	CC [EtOAc–CH ₂ Cl ₂ 3:2]	4'-demethyl-3,9-dihydroeucomin	[68]
			5,6-dimethoxy-7-hydroxy-3-(4'-hydroxybenzyl)-4-chromanone	
			8- <i>O</i> -demethyl-7- <i>O</i> -methyl-3,9-dihdropunctatin	
			4'- <i>O</i> -demethyleucomol	
			eucomol	
	MeOH/bulb	CC [EtOAc–CH ₂ Cl ₂ 1:4]	3,9-dihydroeucomin	[69]
			5,7-dihydroxy-3-(3'-hydroxy-4'-methoxybenzyl)-4-chromanone	
			7- <i>O</i> -methyl-3,9-dihdropunctatin	
			3',5,7-trihydroxy-4'-methoxyspiro[2H-1-benzopyran-3(4H),7'-bicyclo[4.2.0]octa-1,3,5-trien]-4-one	
			(<i>R</i>)-5,7-dihydroxy-8-methoxy-3-(4'-hydroxybenzyl)-4-chromanone	
			(<i>R</i>)-7,8-dimethoxy-5-hydroxy-3-(4'-hydroxybenzyl)-4-chromanone	

			(R)-5,8-dihydroxy-7-methoxy-3-(4'-hydroxybenzyl)-4-chromanone	
		CC [CH ₂ Cl ₂ –MeOH 99:1]	(R)-7-hydroxy-5-methoxy-3-(4'-hydroxybenzyl)-4-chromanone	
<i>Rhodocodon aff. intermedius</i>	CH ₂ Cl ₂ /bulb	FC [NHEX, NHEX–CH ₂ Cl ₂ , MeOH], CC [MeOH–NHEX–CH ₂ Cl ₂ 1:4:5]	(E)-5,6,7-trihydroxy-3-(3'-hydroxy-4'-methoxybenzylidene)-4-chromanone	[75]
			(E)-5,7-dihydroxy-3-(3'-hydroxy-4'-methoxybenzylidene)-4-chromanone	
			(3S)-5,6-dihydroxy-7-methoxy-3-(3'-hydroxy-4'-methoxybenzyl)-4-chromanone	
<i>Rhodocodon campanulatus</i>	EtOH/bulb	SLH [CH ₂ Cl ₂ –MeOH 1:1], CC	(3S)-5,7-dihydroxy-3S-(3'-hydroxy-4'-methoxybenzyl)-4-chromanone	[75]
		n.d	2,5,7-dihydroxy-3-(3-hydroxy-4-methoxybenzyl) chroman-4-one	[76]
<i>Rhodocodon cryptopodus</i>	EtOH/bulb	CC	3S-5,7-dihydroxy-(3'-hydroxy-4'-methoxybenzyl)-4-chromanone	[77]
<i>Rhodocodon rotundus</i>	EtOH/bulb	FC	3S-5,7-dihydroxy-(4'-hydroxy-3'-methoxybenzyl)-4-chromanone	[77]
<i>Scilla dracomontana</i>	ether/bulb	CC	5,7-dihydroxy-6-methoxy-3-(4-methoxybenzyl)chroman-4-one	[48]
			eucomol	
<i>Scilla kraussii</i>	ether/bulb	CC	5,7-dihydroxy-3-(3-hydroxy-4-methoxybenzyl)chroman-4-one	[48]
<i>Scilla natalensis</i>	NHEX/bulb	CC	5,7-dihydroxy-6-methoxy-3-(3-methoxybenzyl)chroman-4-one	[48]
			5,7-dihydroxy-6-methoxy-3-(4-hydroxybenzyl)chroman-4-one	
<i>Scilla nervosa</i>	NHEX, EtOAc/bulb	n.d	5,7-dimethoxy-3-(4-methoxybenzyl)chroman-4-one	[48]
			5-hydroxy-7-methoxy-3-(3-hydroxy-4-methoxybenzyl)chroman-4-one	
			5,7-dimethoxy-3-(4-hydroxybenzyl)chroman-4-one	
	EtOAc/bulb	n.d	5-hydroxy-7-methoxy-3-(4-methoxybenzyl)chroman-4-one	
			5,7-dimethoxy-3-(4-hydroxy benzylidene)chroman-4-one	
<i>Scilla nervosa</i> subsp. <i>rigidifolia</i>	EtOAc/bulb	PTLC	3-(4'-methoxybenzyl)-6,7-dihydroxy-5-methoxychroman-4-one	[45]

			3-(3'-hydroxy-4'-methoxybenzyl)-5,7-dimethoxychroman-4-one	
			3-(4'-methoxybenzylidene)-5,7-dihydroxy-6-methoxychroman-4-one	
			3-(4'-hydroxybenzylidene)-5,7-dihydroxy-6-methoxychroman-4-one	
		SLH [CHCl ₃ –MeOH 7:3], PTLC	3-(4'-hydroxybenzylidene)-5,7-dihydroxychroman-4-one	
			3-(4'-methoxybenzyl)-6-hydroxy-5,7-dimethoxychroman-4-one	
			3-(4'-methoxybenzyl)-5,7-dimethoxychroman-4-one	
MeOH–CHCl ₃ (20:80)/bulb	CC [CHCl ₃ –EtOAc 4:1]		3-(4-hydroxybenzylidene)-5,7-dihydroxychroman-4-one	[46]
			3-(4-hydroxybenzylidene)-5,7-dihydroxy-6-methoxychroman-4-one	
	CC [NHEX–CHCl ₃], PTLC [CHCl ₃]		3-(4-hydroxy-3-methoxybenzyl)-5-hydroxy-6,7-dimethoxychroman-4-one	
			3-(4-methoxybenzyl)-8-hydroxy-5,7-dimethoxychroman-4-one	
			3-(3,4-dimethoxybenzyl)-5,7-dihydroxychroman-4-one	
			3-(4-hydroxybenzylidene)-5-hydroxy-7-methoxychroman-4-one	
			3-(4-methoxybenzylidene)-5,7-dihydroxy-6-methoxychroman-4-one	
	FC [NHEX–CHCl ₃ 1:1]		3-(4-methoxybenzyl)-5,7-dimethoxychroman-4-one	
	PTLC		3-(4-hydroxy-3-methoxybenzyl)-5-hydroxy-7-methoxychroman-4-one	
	PTLC [CHCl ₃ –EtOAc 9:1]		3-(4-hydroxybenzyl)-5,6,7-trimethoxychroman-4-one	
			3-(3-hydroxy-4-methoxybenzyl)-5,7-dihydroxychroman-4-one	
	recrys. [CH ₂ Cl ₂]		3-(4-hydroxybenzyl)-5,7-dihydroxy-6-methoxychroman-4-one	
	CC [CHCl ₃ –EtOAc 9:1], CC [NHEX–EtOAc]		3-(4-methoxybenzyl)-6-hydroxy-5,7-dimethoxychroman-4-one	
NHEX/bulb	CC [CHCl ₃ –EtOAc, EtOAc–MeOH], PTLC [CHCl ₃ –MeOH 24:1]		3-(4'-methoxybenzyl)-5,6,7-trimethoxychroman-4-one	[47]
	SLH [CHCl ₃ –EtOAc 7:3]		3-(4'-methoxybenzyl)-5,7-dimethoxychroman-4-one	

		SLH, PTLC	3-(4'-methoxybenzyl)-7-hydroxy-5,6-dimethoxychroman-4-one	
			3-(4'-methoxybenzyl)-6-hydroxy-5,7-dimethoxychroman-4-one	
		PTLC [CHCl ₃ -MeOH 24:1]	3-(3'-hydroxy-4'-methoxybenzyl)-5,7-dihydroxy-6-methoxychroman-4-one	
			3-(3'-hydroxy-4'-methoxybenzyl)-5,7-dihydroxychroman-4-one	
<i>Scilla persica</i> HAUSSKN	CHCl ₃ /bulb	SLH [MeOH]	3-(4'-hydroxybenzylidene)-5,7-dihydroxy-6-methoxychroman-4-one	
			3-(4'-hydroxybenzylidene)-5,7-dihydroxychroman-4-one	
	Et ₂ O/bulb	SLH [MeOH]	3-(3',4'-dihydroxybenzyl)-8-hydroxy-5,7-dimethoxychroman-4-one (syn. scillapersicone)	[51]
			3-(3',4'-dihydroxybenzylidene)-8-hydroxy-5,7-dimethoxychroman-4-one (syn. scillapersicene)	[52]
			3-(3',4'-dihydroxybenzyl)-5,8-dihydroxy-7-methoxychroman-4-one	
			3,9-dihydro-autumnalin	
			3-(3',4'-dihydroxybenzylidene)-5,8-dihydroxy-7-methoxychroman-4-one	
			scillapersicone	
		CC [CHCl ₃ -MeOH 10:0 to 0:4]	autumnalin	
<i>Scilla scilloides</i>	EtOAc/bulb	CC, SLH, HPLC	(3 <i>S</i>)-3-(3,4-dihydroxybenzyl)-5-hydroxy-6,7-dimethoxychroman-4-one (syn. scillavone B)	[50]
			3,9-dihydroeucomnalin	
			3-(3,4-dihydroxybenzyl)-5,7-dihydroxy-6-methoxychroman-4-one	
			3-(4-hydroxybenzylidene)-5,7-dihydroxychroman-4-one	
			3-(3,4-dihydroxybenzylidene)-5,7-dihydroxy-6-methoxychroman-4-one	
			(3 <i>R</i>)-5,7,2'-trihydroxy-3',4'-dimethoxyspiro{2 <i>H</i> -1-benzopyran-7'-bicyclo[4,2,0]octa[1,3,5]-trien}-4-one (syn. scillavone A)	
			5,7,3'-trihydroxy-4'-methoxyspiro{2 <i>H</i> -1-benzopyran-7'-bicyclo[4,2,0]octa[1,3,5]-trien}-4-one	

				scillascillin	[49]
				2-hydroxy-scillascillin	
				HPLC [CHCl ₃ –MeOH 50:1]	
				3-(3,4-dihydroxybenzyl)-5,7-dihydroxy-6-methoxychroman-4-one	
				3-(4-hydroxybenzylidene)-5,7-dihydroxychroman-4-one	
				scillavone A	
				HPLC [NHEX–Me ₂ CO 2:1]	
				3-(3,4-dihydroxybenzylidene)-5,7-dihydroxy-6-methoxychroman-4-one	
				scillavone B	
				HPLC [MeOH–H ₂ O 50:50], HPLC [CHCl ₃ –MeOH 50:1]	
<i>Urginea depressa</i>	CH ₂ Cl ₂ /WP			5,7,3'-trihydroxy-4'-methoxyspiro[2H-1-benzopyran-7'-bicyclo[4,2,0]octa[1,3,5]-trien]-4-one	[90]
				2-hydroxy-scillascillin	
				3,9-dihydroeucomnalin	
				HPLC [MeOH–H ₂ O 65:35], recryst.	
	NHEX/WP			scillascillin	
				HPLC [MeCN–H ₂ O 3.5:10]	
				urgineanin A	
				urgineanin D	
<i>Veltheimia viridifolia</i>	PE/bulb			HPLC [MeCN–H ₂ O 4:10]	[91]
				HPLC [MeCN–H ₂ O 4:10]	
				HPLC [MeCN–H ₂ O 3.5:10]	
	Et ₂ O/bulb			urgineanin B	
				urgineanin C	
				urgineanin E	
				HPLC [NHEX–Et ₂ O 8:2 to 0:10]	[91]
				R(–)-3-(4-hydroxybenzyl)-5-hydroxy-6,7,8-trimethoxychroman-4-one	
				HPLC [CHCl ₃ –MeOH 95:5]	
				muscomin	

AP: aerial part; Bz: benzene; CC: column chromatography; CHCl₃: chloroform; CH₂Cl₂: dichloromethane; Et₂O: diethyl ether; EtOAc: ethyl acetate; EtOH: ethanol; FC: flash chromatography; Fr: fruit; H₂O: water; HCO₂H: formic acid; HOAc: acetic acid; HPLC: high-performance liquid chromatography; HSCCC: high-speed counter-current chromatography; *i*-PrOH: isopropyl alcohol; L: leaf; MeOH: methanol; Me₂CO: acetone; MeCN: acetonitrile; MPLC: medium-pressure liquid chromatography; *n*-BuOH: butanol; n.d.: not determined; NHEX: *n*-hexane; PE: petroleum ether; PTLC: preparative-thin layer chromatography; R: root; recryst.: recrystallization; RP-CC: reverse-phase column chromatography; RP-PTLC: reverse-phase preparative-thin layer chromatography; SLH: Sephadex® LH-20; St: stem; WP: whole part