

Table S1. Compound names, plant resources, related references, and published year.

No.	Name	Plant resource	Year	ref
1	Pierisformosoid A	<i>Pieris formosa</i> , roots	2018	8
2	Pierisformosoid B	<i>Pieris formosa</i> , roots	2018	8
3	Pierisformosoid C	<i>Pieris formosa</i> , roots	2018	8
4	Pierisformosoid D	<i>Pieris formosa</i> , roots	2018	8
5	Pierisformosoid E	<i>Pieris formosa</i> , roots	2018	8
6	Pierisformosoid F	<i>Pieris formosa</i> , roots	2018	8
7	Pierisformosoid G	<i>Pieris formosa</i> , roots	2018	8
8	Pierisformosoid H	<i>Pieris formosa</i> , roots	2018	8
9	Pierisformosoid I	<i>Pieris formosa</i> , roots	2018	8
10	Pierisformosoid J	<i>Pieris formosa</i> , roots	2018	8
11	Pierisformosoid K	<i>Pieris formosa</i> , roots	2018	8
12	Pierisformosoid L	<i>Pieris formosa</i> , roots	2018	8
13	3-epi-grayanoside B	<i>Rhododendron micranthum</i> , leaves	2018	9
14	Micranthanoside A	<i>Rhododendron micranthum</i> , leaves	2018	9
15	Micranthanoside B	<i>Rhododendron micranthum</i> , leaves	2018	9
16	Micranthanoside C	<i>Rhododendron micranthum</i> , leaves	2018	9
17	Micranthanoside D	<i>Rhododendron micranthum</i> , leaves	2018	9
18	Micranthanoside E	<i>Rhododendron micranthum</i> , leaves	2018	9
19	hydroxygrayanoside C	<i>Rhododendron micranthum</i> , leaves	2018	9
20	micranthanoside F	<i>Rhododendron micranthum</i> , leaves	2018	9
21	14 $\beta$ -acetyoxymicranthanoside	<i>Rhododendron micranthum</i> , leaves	2018	9
22	micranthanoside G	<i>Rhododendron micranthum</i> , leaves	2018	9
23	14-Oacetylmicranthanoside G	<i>Rhododendron micranthum</i> , leaves	2018	9
24	14 $\beta$ -hydroxypieroside A	<i>Rhododendron micranthum</i> , leaves	2018	9
25	micranthanoside H	<i>Rhododendron micranthum</i> , leaves	2018	9
26	Mollfoliagin D	<i>Rhododendron molle</i> , leaves	2018	7
27	6-O-Acetyl rhodomollein XI	<i>Rhododendron molle</i> , leaves	2018	7
28	Mollfoliagin F	<i>Rhododendron molle</i> , leaves	2018	7
29	18-Hydroxygrayanotoxin XVIII	<i>Rhododendron molle</i> , leaves	2018	7
30	2-O-Methyl rhodomolin I	<i>Rhododendron molle</i> , leaves	2018	7
31	2-O-Methyl rhodomollein XII	<i>Rhododendron molle</i> , leaves	2018	7
32	2-O-Methyl rhodojaponin VI	<i>Rhododendron molle</i> , leaves	2018	7
33	2-O-Methyl rhodojaponin VII	<i>Rhododendron molle</i> , leaves	2018	7
34	Rhododecorumin VIII	<i>Rhododendron decorum</i> , leaves and twigs	2018	22
35	Rhododecorumin IX	<i>Rhododendron decorum</i> , leaves and twigs	2018	22
36	Rhododecorumin X	<i>Rhododendron decorum</i> , leaves and twigs	2018	22
37	Rhododecorumin XI	<i>Rhododendron decorum</i> , leaves and twigs	2018	22
38	Rhododecorumin XII	<i>Rhododendron decorum</i> , leaves and twigs	2018	22
39	Rhododeoside I	<i>Rhododendron decorum</i> , leaves and twigs	2018	22
40	Rhodoauriculatol I	<i>Rhododendron auriculatum</i> , leaves	2019	21
41	Rhodomicranoside F	<i>Rhododendron auriculatum</i> , leaves	2019	14
42	Rhodomicranoside G	<i>Rhododendron auriculatum</i> , leaves	2019	14
43	Rhodomicranoside H	<i>Rhododendron auriculatum</i> , leaves	2019	14
44	Rhodomicranoside I	<i>Rhododendron auriculatum</i> , leaves	2019	14
45	Auriculatol B	<i>Rhododendron auriculatum</i> , leaves	2019	25
46	3-epi-Grayanotoxin XVIII	<i>Rhododendron auriculatum</i> , leaves	2019	25
47	6-Deoxycraibiotoxin I	<i>Rhododendron auriculatum</i> , leaves	2019	25
48	3-epi-Auriculatol B	<i>Rhododendron auriculatum</i> , leaves	2019	25
49	19-Hydroxy-3-epi-auriculatol B	<i>Rhododendron auriculatum</i> , leaves	2019	25
50	Auriculatol C	<i>Rhododendron auriculatum</i> , leaves	2019	25
51	Auriculatol D	<i>Rhododendron auriculatum</i> , leaves	2019	25
52	Auriculatol E	<i>Rhododendron auriculatum</i> , leaves	2019	25
53	Auriculatol F	<i>Rhododendron auriculatum</i> , leaves	2019	25

54	2 $\alpha$ -Hydroxyauriculatol F	<i>Rhododendron auriculatum</i> , leaves	2019	25
55	1-epi-Pieristoxin S	<i>Rhododendron auriculatum</i> , leaves	2019	25
56	17-Hydroxygrayanotoxin XIX	<i>Pieris japonica</i> , leaves	2019	26
57	2-O-Methylrhodomollein XIX	<i>Pieris japonica</i> , leaves	2019	26
58	17-Hydroxy-3-epi-auriculatol B	<i>Pieris japonica</i> , leaves	2019	26
59	Pierisjaponol A	<i>Pieris japonica</i> , leaves	2019	26
60	Pierisjaponol B	<i>Pieris japonica</i> , leaves	2019	26
61	13 $\alpha$ -Hydroxyrhodomollein XVII	<i>Pieris japonica</i> , leaves	2019	26
62	12 $\beta$ -Hydroxygrayanotoxin XVIII	<i>Pieris japonica</i> , leaves	2019	26
63	2 $\alpha$ -Hydroxyasebotoxin II	<i>Pieris japonica</i> , leaves	2019	26
64	2 $\alpha$ -O-Methylgrayanotoxin II	<i>Pieris japonica</i> , leaves	2019	26
65	Pierisjaponol C	<i>Pieris japonica</i> , leaves	2019	26
66	16-O-Methylgrayanotoxin XVIII	<i>Pieris japonica</i> , leaves	2019	26
67	Pierisjaponol D	<i>Pieris japonica</i> , leaves	2019	26
68	Rhodomollein XLIV	<i>Rhododendron molle</i> , flowers	2020	20
69	Rhodomollein XLV	<i>Rhododendron molle</i> , flowers	2020	20
70	Rhodomollein XLVI	<i>Rhododendron molle</i> , flowers	2020	20
71	Rhodomollein XLVII	<i>Rhododendron molle</i> , flowers	2020	20
72	Rhodomollein XLIX	<i>Rhododendron molle</i> , flowers	2020	20
73	Rhodomollein L	<i>Rhododendron molle</i> , flowers	2020	20
74	Dauricanol A	<i>Rhododendron dauricum</i> , flowers	2023	16
75	Dauricanol B	<i>Rhododendron dauricum</i> , flowers	2023	16
76	Dauricanol C	<i>Rhododendron dauricum</i> , flowers	2023	16
77	Daublossomin G	<i>Rhododendron dauricum</i> , flowers	2023	27
78	Daublossomin H	<i>Rhododendron dauricum</i> , flowers	2023	27
79	Daublossomin I	<i>Rhododendron dauricum</i> , flowers	2023	27
80	Daublossomin J	<i>Rhododendron dauricum</i> , flowers	2023	27
81	Daublossomin K	<i>Rhododendron dauricum</i> , flowers	2023	27
82	Daublossomin L	<i>Rhododendron dauricum</i> , flowers	2023	27
83	Daublossomin M	<i>Rhododendron dauricum</i> , flowers	2023	27
84	Craibiodenoside A	<i>Craibiodendron yunnanense</i> , leaves	2023	28
85	Craibiodenoside B	<i>Craibiodendron yunnanense</i> , leaves	2023	28
86	Craibiodenoside C	<i>Craibiodendron yunnanense</i> , leaves	2023	28
87	Molleblossomin G	<i>Rhododendron molle</i> , flowers	2024	29
88	Molleblossomin H	<i>Rhododendron molle</i> , flowers	2024	29
89	Molleblossomin I	<i>Rhododendron molle</i> , flowers	2024	29
90	Molleblossomin J	<i>Rhododendron molle</i> , flowers	2024	29
91	Molleblossomin K	<i>Rhododendron molle</i> , flowers	2024	29
92	Molleblossomin L	<i>Rhododendron molle</i> , flowers	2024	29
93	16-Acetylgrayanotoxin III	<i>Rhododendron micranthum</i> , roots	2020	19
94	3 $\beta$ , 6 $\beta$ , 16 $\alpha$ -trihydroxy-14b-acetoxy-grayan-1(5), 10(20)-diene	<i>Rhododendron micranthum</i> , roots	2020	19
95	14 $\beta$ -(2-Hydroxypropanoyloxy)rhodomollein XVII	<i>Craibiodendron yunnanense</i> , leaves	2023	30
96	2-O-Ethoxyrhodojaponin VI	<i>Craibiodendron yunnanense</i> , leaves	2023	30
97	Micranthanoside J	<i>Craibiodendron yunnanense</i> , leaves	2023	30
98	Mollfoliagein A	<i>Rhododendron molle</i> , leaves	2018	7
99	Mollfoliagein B	<i>Rhododendron molle</i> , leaves	2018	7
100	Mollfoliagein C	<i>Rhododendron molle</i> , leaves	2018	7
101	6-O-Acetylrhodomollein XXXI	<i>Rhododendron molle</i> , leaves	2018	7
102	Mollfoliagein E	<i>Rhododendron molle</i> , leaves	2018	7
103	Rhododecorumin VI	<i>Rhododendron decorum</i> , leaves and twigs	2018	22
104	Rhododecorumin VII	<i>Rhododendron decorum</i> , leaves and twigs	2018	22
105	Eoxypieristoxin A	<i>Pieris formosa</i> , roots	2019	31
106	Eoxypieristoxin B	<i>Pieris formosa</i> , roots	2019	31
107	Eoxypieristoxin C	<i>Pieris formosa</i> , roots	2019	31
108	Eoxypieristoxin D	<i>Pieris formosa</i> , roots	2019	31

109	Epoxyperistoxin E	<i>Pieris formosa</i> , roots	2019	31
110	Epoxyperistoxin F	<i>Pieris formosa</i> , roots	2019	31
111	Epoxyperistoxin G	<i>Pieris formosa</i> , roots	2019	31
112	Epoxyperistoxin H	<i>Pieris formosa</i> , roots	2019	31
113	14-Deoxyrhodomollein XXXVII	<i>Pieris japonica</i> , leaves	2019	26
114	Rhodomollein XLVIII	<i>Rhododendron molle</i> , flowers	2020	20
115	Micranthanol A	<i>Rhododendron micranthum</i> , leaves	2021	17
116	Micranthanol B	<i>Rhododendron micranthum</i> , leaves	2021	17
117	Daublossomin A	<i>Rhododendron dauricum</i> , flowers	2023	27
118	Daublossomin B	<i>Rhododendron dauricum</i> , flowers	2023	27
119	Daublossomin C	<i>Rhododendron dauricum</i> , flowers	2023	27
120	Daublossomin D	<i>Rhododendron dauricum</i> , flowers	2023	27
121	Daublossomin E	<i>Rhododendron dauricum</i> , flowers	2023	27
122	Daublossomin F	<i>Rhododendron dauricum</i> , flowers	2023	27
123	Craibiodenoside D	<i>Craibiodendron yunnanense</i> , leaves	2023	28
124	Craibiodenoside E	<i>Craibiodendron yunnanense</i> , leaves	2023	28
125	Craibiodenoside F	<i>Craibiodendron yunnanense</i> , leaves	2023	28
126	Molleblossomin A	<i>Rhododendron molle</i> , flowers	2024	29
127	Molleblossomin B	<i>Rhododendron molle</i> , flowers	2024	29
128	Molleblossomin C	<i>Rhododendron molle</i> , flowers	2024	29
129	Molleblossomin D	<i>Rhododendron molle</i> , flowers	2024	29
130	Molleblossomin E	<i>Rhododendron molle</i> , flowers	2024	29
131	Molleblossomin F	<i>Rhododendron molle</i> , flowers	2024	29
132	Auriculatol A	<i>Rhododendron auriculatum</i> , leaves	2019	25
133	9 $\beta$ -Hydroxy-1,5-seco-grayanotoxin	<i>Rhododendron micranthum</i> , leaves	2021	17
134	Dauricanol D	<i>Rhododendron dauricum</i> , flowers	2023	16
135	Dauricanol E	<i>Rhododendron dauricum</i> , flowers	2023	16
136	Pierisjaponin A	<i>Pieris japonica</i> , leaves	2020	18
137	Pierisjaponin B	<i>Pieris japonica</i> , leaves	2020	18
138	Rhodoauriculatol A	<i>Rhododendron auriculatum</i> , leaves	2019	21
139	Rhodoauriculatol B	<i>Rhododendron auriculatum</i> , leaves	2019	21
140	Rhodoauriculatol C	<i>Rhododendron auriculatum</i> , leaves	2019	21
141	Rhodoauriculatol D	<i>Rhododendron auriculatum</i> , leaves	2019	21
142	Pierisjaponin J	<i>Pieris japonica</i> , leaves	2020	18
143	Birhodomollein D	<i>Rhododendron pumilum</i> , fruits	2018	32
144	Birhodomollein E	<i>Rhododendron pumilum</i> , fruits	2018	32
145	Bimollfoliagin A	<i>Rhododendron molle</i> , leaves	2018	7
146	Rhodomollein XLIII	<i>Rhododendron molle</i> , flowers	2020	20
147	Bismollether A	<i>Rhododendron molle</i> , flowers	2022	24
148	Bismollether B	<i>Rhododendron molle</i> , flowers	2022	24
149	Bismollether C	<i>Rhododendron molle</i> , flowers	2022	24
150	Rhododecorumin I	<i>Rhododendron decorum</i> , leaves and twigs	2018	22
151	Rhododecorumin II	<i>Rhododendron decorum</i> , leaves and twigs	2018	22
152	Rhododecorumin III	<i>Rhododendron decorum</i> , leaves and twigs	2018	22
153	Rhodoauriculatol G	<i>Rhododendron auriculatum</i> , leaves	2019	21
154	Rhodoauriculatol H	<i>Rhododendron auriculatum</i> , leaves	2019	21
155	Rhodomicranoside A	<i>Rhododendron auriculatum</i> , leaves	2019	14
156	Rhodomicranoside B	<i>Rhododendron auriculatum</i> , leaves	2019	14
157	Rhodomicranoside C	<i>Rhododendron auriculatum</i> , leaves	2019	14
158	Rhodomollein LII	<i>Rhododendron molle</i> , flowers	2020	20
159	Rhodomollein LIII	<i>Rhododendron molle</i> , flowers	2020	20
160	3 $\beta$ ,7 $\alpha$ ,14 $\beta$ -trihydroxy-leucoth-10(20),15-dien-5-one	<i>Pieris formosa</i> , roots	2020	15
161	10 $\alpha$ ,16 $\alpha$ -dihydroxy-leucoth-5-one	<i>Pieris formosa</i> , roots	2020	15
162	Pierisjaponin F	<i>Pieris japonica</i> , leaves	2020	18
163	Pierisjaponin G	<i>Pieris japonica</i> , leaves	2020	28
164	Rhodoauriculatol F	<i>Rhododendron auriculatum</i> , leaves	2019	21

165	Pierisentkauran B	<i>Pieris formosa</i> , roots	2020	15
166	Pierisentkauran C	<i>Pieris formosa</i> , roots	2020	15
167	Pierisentkauran D	<i>Pieris formosa</i> , roots	2020	15
168	Pierisentkauran E	<i>Pieris formosa</i> , roots	2020	15
169	Rhodomicranoside D	<i>Rhododendron micranthum</i> , leaves	2019	14
170	Rhodomicranoside E	<i>Rhododendron micranthum</i> , leaves	2019	14
171	Pierisentkauran F	<i>Pieris formosa</i> , roots	2020	15
172	Pierisjaponin H	<i>Pieris japonica</i> , leaves	2020	18
173	Pierisjaponin I	<i>Pieris japonica</i> , leaves	2020	18
174	8 $\alpha$ -O-Acetyl rhodomollein XXIII	<i>Rhododendron micranthum</i> , leaves	2021	17
175	Rhodokalmanol A	<i>Rhododendron dauricum</i> , leaves	2022	33
176	Rhodokalmanol B	<i>Rhododendron dauricum</i> , leaves	2022	33
177	Rhodokalmanol C	<i>Rhododendron dauricum</i> , leaves	2022	33
178	Rhodokalmanol D	<i>Rhododendron dauricum</i> , leaves	2022	33
179	16 $\alpha$ -acetox y rhodomollein XXIII	<i>Rhododendron micranthum</i> , roots	2020	19
180	Rhodomollein LI	<i>Rhododendron molle</i> , flowers	2020	20
181	Rhodoauriculatol E	<i>Rhododendron auriculatum</i> , leaves	2019	21
182	Mollebenzylanol A	<i>Rhododendron molle</i> , leaves	2018	23
183	Mollebenzylanol B	<i>Rhododendron molle</i> , leaves	2018	23
184	Rhododecorumin IV	<i>Rhododendron decorum</i> , leaves and twigs	2018	22
185	Rhododecorumin V	<i>Rhododendron decorum</i> , leaves and twigs	2018	22
186	Micranthanone B	<i>Rhododendron micranthum</i> , leaves	2021	17
187	Micranthanone C	<i>Rhododendron micranthum</i> , leaves	2021	17
188	14-epi-Mollanol A	<i>Rhododendron micranthum</i> , leaves	2021	17
189	Mollanol B	<i>Rhododendron micranthum</i> , leaves	2021	17
190	Mollanol C	<i>Rhododendron micranthum</i> , leaves	2021	17
191	Pierisjaponin E	<i>Pieris japonica</i> , leaves	2020	18
192	Rhomollone A	<i>Rhododendron molle</i> , flowers	2020	20
193	rhodauricanol A	<i>Rhododendron dauricum</i> , flowers	2023	16

Table S2. Compound names and reported activities.

no	name	Test model/ in vivo	Activity/ dose	Test model/in vitro	Activity/ dose
1	Pierisformosoid A	Acetic acid-Induced pain mouse model Plutella xylostella	Analgesic, 5 mg/kg Antifeedant, 0.5 mg/mL	Nav1.7 channel KCNQ2 channel	ND, 10 $\mu$ M ND, 10 $\mu$ M
2	Pierisformosoid B	Acetic acid-Induced pain mouse model	Analgesic, 1 mg/kg	Nav1.7 channel KCNQ2 channel	ND, 10 $\mu$ M ND, 10 $\mu$ M
3	Pierisformosoid C	-	-	Nav1.7 channel KCNQ2 channel	ND, 10 $\mu$ M ND, 10 $\mu$ M
4	Pierisformosoid D	Acetic acid-induced pain mouse model Plutella xylostella	Analgesic, 0.1 mg/kg Antifeedant, 0.5 mg/mL	Nav1.7 channel KCNQ2 channel	ND, 10 $\mu$ M 38.3% inhibitory, 10 $\mu$ M
5	Pierisformosoid E	Acetic acid-Induced pain mouse model	Analgesic, 5 mg/kg	Nav1.7 channel KCNQ2 channel	ND, 10 $\mu$ M ND, 10 $\mu$ M
6	Pierisformosoid F	-	-	Nav1.7 channel KCNQ2 channel	ND, 10 $\mu$ M ND, 10 $\mu$ M

7	Pierisformosoid G	Acetic acid-Induced pain mouse model	Analgesic, 0.1 mg/kg	Nav1.7 channel KCNQ2 channel	ND, 10 $\mu$ M ND, 10 $\mu$ M
8	Pierisformosoid H	Acetic acid-Induced pain mouse model	Analgesic, 5 mg/kg	Nav1.7 channel KCNQ2 channel	ND, 10 $\mu$ M ND, 10 $\mu$ M
9	Pierisformosoid I	Acetic acid-Induced pain mouse model Plutella xylostella	ND Antifeedant, 0.5 mg/mL	Nav1.7 channel KCNQ2 channel	ND, 10 $\mu$ M ND, 10 $\mu$ M
10	Pierisformosoid J	Acetic acid-Induced pain mouse model	ND	Nav1.7 channel KCNQ2 channel	ND, 10 $\mu$ M ND, 10 $\mu$ M
11	Pierisformosoid K	Acetic acid-Induced pain mouse model	ND	Nav1.7 channel KCNQ2 channel	ND, 10 $\mu$ M ND, 10 $\mu$ M
12	Pierisformosoid L	Acetic acid-Induced pain mouse model	ND	Nav1.7 channel KCNQ2 channel	ND, 10 $\mu$ M ND, 10 $\mu$ M
13	3-epi-grayanoside B	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	Anti-inflammatory Cytotoxicity PTP1B	ND, 40 $\mu$ M ND, 40 $\mu$ M ND, 40 $\mu$ M
14	Micranthanoside A	Acetic acid-Induced pain mouse model	Analgesic, 0.2 mg/kg	Anti-inflammatory Cytotoxicity PTP1B	ND, 40 $\mu$ M ND, 40 $\mu$ M ND, 40 $\mu$ M
15	Micranthanoside B	Acetic acid-Induced pain mouse model	Analgesic, 1.0 mg/kg	Anti-inflammatory Cytotoxicity PTP1B	ND, 40 $\mu$ M ND, 40 $\mu$ M ND, 40 $\mu$ M
16	Micranthanoside C	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	Anti-inflammatory Cytotoxicity PTP1B	ND, 40 $\mu$ M ND, 40 $\mu$ M ND, 40 $\mu$ M
17	Micranthanoside D	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	Anti-inflammatory Cytotoxicity PTP1B	ND, 40 $\mu$ M ND, 40 $\mu$ M ND, 40 $\mu$ M
18	Micranthanoside E	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	Anti-inflammatory Cytotoxicity PTP1B	ND, 40 $\mu$ M ND, 40 $\mu$ M ND, 40 $\mu$ M
19	hydroxygrayanoside C	Acetic acid-Induced pain mouse model	Analgesic, 1.0 mg/kg	Anti-inflammatory Cytotoxicity PTP1B	ND, 40 $\mu$ M ND, 40 $\mu$ M ND, 40 $\mu$ M
20	micranthanoside F	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	Anti-inflammatory Cytotoxicity PTP1B	ND, 40 $\mu$ M ND, 40 $\mu$ M ND, 40 $\mu$ M
21	14 $\beta$ -acetyoxymicranthanoside	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	Anti-inflammatory Cytotoxicity PTP1B	ND, 40 $\mu$ M ND, 40 $\mu$ M ND, 40 $\mu$ M
22	micranthanoside G	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	Anti-inflammatory Cytotoxicity PTP1B	ND, 40 $\mu$ M ND, 40 $\mu$ M ND, 40 $\mu$ M
23	14-Oacetylmicranthanoside G	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	Anti-inflammatory Cytotoxicity PTP1B	ND, 40 $\mu$ M ND, 40 $\mu$ M ND, 40 $\mu$ M
24	14 $\beta$ -hydroxypieroside A	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	Anti-inflammatory Cytotoxicity PTP1B	ND, 40 $\mu$ M ND, 40 $\mu$ M ND, 40 $\mu$ M
25	micranthanoside H	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	Anti-inflammatory Cytotoxicity PTP1B	ND, 40 $\mu$ M ND, 40 $\mu$ M ND, 40 $\mu$ M

26	Mollfoliagein D	-		Anti-inflammatory	ND, 40 $\mu$ M
27	6-O-Acetyl rhodomollein XI	-		Anti-inflammatory	ND, 40 $\mu$ M
28	Mollfoliagein F	--		Anti-inflammatory	ND, 40 $\mu$ M
29	18-Hydroxygrayanotoxin XVIII			Anti-inflammatory	ND, 40 $\mu$ M
30	2-O-Methyl rhodomolin I	-		Anti-inflammatory	ND, 40 $\mu$ M
31	2-O-Methyl rhodomollein XII	-		Anti-inflammatory	ND, 40 $\mu$ M
32	2-O-Methyl rhodojaponin VI	-		Anti-inflammatory	ND, 40 $\mu$ M
33	2-O-Methyl rhodojaponin VII	-		Anti-inflammatory	ND, 40 $\mu$ M
34	Rhododecorumin VIII	Acetic acid-Induced pain mouse model	Analgesic, 10.0 mg/kg	-	
35	Rhododecorumin IX	-		-	
36	Rhododecorumin X	Acetic acid-Induced pain mouse model	Analgesic, 10.0 mg/kg	-	
37	Rhododecorumin XI	Acetic acid-Induced pain mouse model	Analgesic, 10.0 mg/kg	-	
38	Rhododecorumin XII	Acetic acid-induced pain mouse model	Analgesic, 0.8 mg/kg	-	
39	Rhododeoside I	Acetic acid-Induced pain mouse model	Analgesic, 10.0 mg/kg	-	
40	Rhodoauriculatol I	Acetic acid-Induced pain mouse model	Analgesic, 1.0 mg/kg	-	
41	Rhodomicrosides F	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
42	Rhodomicrosides G	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
43	Rhodomicrosides H	Acetic acid-Induced pain mouse model	Analgesic, 1.0 mg/kg	-	
44	Rhodomicrosides I	Acetic acid-Induced pain mouse model	Analgesic, 1.0 mg/kg	-	
45	Auriculatol B	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
46	3-epi-Grayanotoxin XVIII	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
47	6-Deoxycraibiotoxin I	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
48	3-epi-Auriculatol B	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
49	19-Hydroxy-3-epi-auriculatol B	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
50	Auriculatol C	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
51	Auriculatol D	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
52	Auriculatol E	Acetic acid-Induced pain mouse model	Analgesic, 1.0 mg/kg	-	
53	Auriculatol F	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
54	2 $\alpha$ -Hydroxyauriculatol F	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
55	1-epi-Pieristoxin S	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
56	17-Hydroxygrayanotoxin XIX	Acetic acid-Induced pain mouse model	Analgesic, 0.04 mg/kg	-	
57	2-O-Methyl rhodomollein XIX	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	

58	17-Hydroxy-3-epi-auriculatol B	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
59	Pierisjaponol A	Acetic acid-Induced pain mouse model	Analgesic, 0.2 mg/kg	-	
60	Pierisjaponol B	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
61	13 $\alpha$ -Hydroxyrhodomollein XVII	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
62	12 $\beta$ -Hydroxygrayanotoxin XVIII	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
63	2 $\alpha$ -Hydroxyasebotoxin II	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
64	2 $\alpha$ -O-Methylgrayanotoxin II	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
65	Pierisjaponol C	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
66	16-O-Methylgrayanotoxin XVIII	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
67	Pierisjaponol D	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
68	Rhodomollein XLIV	Acetic acid-Induced pain mouse model	Analgesic, 20.0 mg/kg	-	
69	Rhodomollein XLV	Acetic acid-Induced pain mouse model	Analgesic, 20.0 mg/kg	-	
70	Rhodomollein XLVI	-		-	
71	Rhodomollein XLVII	Acetic acid-Induced pain mouse model	Analgesic, 2.0 mg/kg	-	
72	Rhodomollein XLIX	-		-	
73	Rhodomollein L	-		-	
74	Dauricanol A	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg		
75	Dauricanol B	Acetic acid-Induced pain mouse model	Analgesic, 0.04 mg/kg		
76	Dauricanol C	Acetic acid-Induced pain mouse model	Analgesic, 0.04 mg/kg		
77	Daublossomin G	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg		
78	Daublossomin H	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg		
79	Daublossomin I	Acetic acid-Induced pain mouse model	ND		
80	Daublossomin J	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg		
81	Daublossomin K	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg		
82	Daublossomin L	-			
83	Daublossomin M	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg		
84	Craibiodenoside A			Anti-inflammatory	ND, 10 $\mu$ g/mL
85	Craibiodenoside B			Anti-inflammatory	10 $\mu$ g/mL
86	Craibiodenoside C			Anti-inflammatory	10 $\mu$ g/mL
87	Molleblossomin G	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
88	Molleblossomin H	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
89	Molleblossomin I	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
90	Molleblossomin J	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
91	Molleblossomin K	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	

92	Molleblossomin L	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
93	16-Acetylgrayanotoxin III	Acetic acid-Induced pain mouse model	Analgesic, 1.0 mg/kg	-	
94	3 $\beta$ , 6 $\beta$ , 16 $\alpha$ -trihydroxy-14b-acetoxy-grayan-1(5), 10(20)-diene	Acetic acid-Induced pain mouse model	Analgesic, 0.8 mg/kg	-	
95	14 $\beta$ -(2-Hydroxypropanoyloxy)rhodomollein XVII	-		-	
96	2-O-Ethoxyrhodojaponin VI	-		-	
97	Micranthanoside J	-		-	
98	Mollfoliagein A	-		Anti-inflammatory	ND, 40 $\mu$ M
99	Mollfoliagein B	-		Anti-inflammatory	ND, 40 $\mu$ M
100	Mollfoliagein C	-		Anti-inflammatory	IC <sub>50</sub> 35.4 $\pm$ 3.9 $\mu$ M
101	6-O-Acetylrhodomollein XXXI	-		Anti-inflammatory	ND, 40 $\mu$ M
102	Mollfoliagein E	-		Anti-inflammatory	ND, 40 $\mu$ M
103	Rhododecorumin VI	Acetic acid-Induced pain mouse model	Analgesic, 10.0 mg/kg	-	
104	Rhododecorumin VII	-		-	
105	Epoxyperistoxin A	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
106	Epoxyperistoxin B	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
107	Epoxyperistoxin C	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
108	Epoxyperistoxin D	-		-	
109	Epoxyperistoxin E	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
110	Epoxyperistoxin F	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
111	Epoxyperistoxin G	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
112	Epoxyperistoxin H	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
113	14-Deoxyrhodomollein XXXVII	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
114	Rhodomollein XLVIII	Acetic acid-Induced pain mouse model	Analgesic, 20.0 mg/kg	-	
115	Micranthanol A	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
116	Micranthanol B	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
117	Daublossomin A	Acetic acid-Induced pain mouse model	Analgesic, 0.2 mg/kg	-	
118	Daublossomin B	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
119	Daublossomin C	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
120	Daublossomin D	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
121	Daublossomin E	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
122	Daublossomin F	Acetic acid-Induced pain mouse model	Analgesic, 0.2 mg/kg	-	
123	Craibiodenoside D	-		Anti-inflammatory	ND, 10 $\mu$ g/mL
124	Craibiodenoside E	-		Anti-inflammatory	ND, 10 $\mu$ g/mL



125	Craibiodenoside F	-		Anti-inflammatory	10 µg/mL
126	Molleblossomin A	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
127	Molleblossomin B	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
128	Molleblossomin C	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
129	Molleblossomin D	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
130	Molleblossomin E	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
131	Molleblossomin F	Acetic acid-Induced pain mouse model	Analgesic, 0.2 mg/kg	-	
132	Auriculatol A	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
133	9β-Hydroxy-1,5-seco-grayanotoxin	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
134	Dauricanol D	Acetic acid-Induced pain mouse model	Analgesic, 1.0 mg/kg	-	
135	Dauricanol E	Acetic acid-Induced pain mouse model	Analgesic, 1.0 mg/kg	-	
136	Pierisjaponin A	Acetic acid-Induced pain mouse model	Analgesic, 1.0 mg/kg	-	
137	Pierisjaponin B	Acetic acid-Induced pain mouse model	Analgesic, 0.04 mg/kg	-	
138	Rhodoauriculatol A	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
139	Rhodoauriculatol B	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
140	Rhodoauriculatol C	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
141	Rhodoauriculatol D	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
142	Pierisjaponin J	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
143	Birhodomollein D	-		-	
144	Birhodomollein E	-		-	
145	Bimollfoliagein A	-		Anti-inflammatory	ND, 40 µM
146	Rhodomollein XLIII	-		-	
147	Bismollether A	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
148	Bismollether B	Acetic acid-Induced pain mouse model Capsaicin-Induced pain mouse model AITC-Induced pain mouse model	Analgesic, 0.2 mg/kg Analgesic, 5.0 mg/kg Analgesic, 5.0 mg/kg		
149	Bismollether C	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg		
150	Rhododecorumin I	Acetic acid-Induced pain mouse model	Analgesic, 10.0 mg/kg	-	
151	Rhododecorumin II	-		-	
152	Rhododecorumin III	Acetic acid-Induced pain mouse model	Analgesic, 10.0 mg/kg	-	
153	Rhodoauriculatol G	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
154	Rhodoauriculatol H	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
155	Rhodomicronoside A	Acetic acid-Induced pain mouse model	Analgesic, 1.0 mg/kg	-	
156	Rhodomicronoside B	Acetic acid-Induced pain mouse model	Analgesic, 1.0 mg/kg	-	

157	Rhodomicroside C	Acetic acid-Induced pain mouse model	Analgesic, 1.0 mg/kg	-	
158	Rhodomollein LII	-		-	
159	Rhodomollein LIII	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
160	3 $\beta$ ,7 $\alpha$ ,14 $\beta$ -trihydroxy-leucoth-10(20),15-dien-5-one	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
161	10 $\alpha$ ,16 $\alpha$ -dihydroxy-leucoth-5-one	Acetic acid-Induced pain mouse model	Analgesic, 5 mg/kg Antifeedant, 0.5 mg/mL	-	
162	Pierisjaponin F	Acetic acid-Induced pain mouse model	Analgesic, 1.0 mg/kg	-	
163	Pierisjaponin G	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
164	Rhodoauriculatol F	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
165	Pierisentkauran B	-		-	
166	Pierisentkauran C	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
167	Pierisentkauran D	Plutella xylostella	Antifeedant, 0.5 mg/mL	-	
168	Pierisentkauran E	-		-	
169	Rhodomicroside D	Acetic acid-Induced pain mouse model	Analgesic, 1.0 mg/kg	-	
170	Rhodomicroside E	Acetic acid-Induced pain mouse model	Analgesic, 1.0 mg/kg	-	
171	Pierisentkauran F	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
172	Pierisjaponin H	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
173	Pierisjaponin I	Acetic acid-Induced pain mouse model	Analgesic, 1.0 mg/kg	-	
174	8 $\alpha$ -O-Acetyl rhodomollein XXIII	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
175	Rhodokalmanol A	Acetic acid-Induced pain mouse model	Analgesic, 1.0 mg/kg	-	
176	Rhodokalmanol B	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
177	Rhodokalmanol C	Acetic acid-Induced pain mouse model	Analgesic, 0.04 mg/kg	-	
178	Rhodokalmanol D	Acetic acid-Induced pain mouse model	Analgesic, 0.2 mg/kg	-	
179	16 $\alpha$ -acetoxy rhodomollein XXIII	Acetic acid-Induced pain mouse model	Analgesic, 1.0 mg/kg	-	
180	Rhodomollein LI	-		-	
181	Rhodoauriculatol E	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
182	Mollebenzylanol A	-		PTP1B	IC <sub>50</sub> 22.99 $\pm$ 0.43 $\mu$ M
183	Mollebenzylanol B	-		PTP1B	IC <sub>50</sub> 32.24 $\pm$ 0.74 $\mu$ M
184	Rhododecorumin IV	Acetic acid-Induced pain mouse model	Analgesic, 10.0 mg/kg	-	
185	Rhododecorumin V	-		-	
186	Micranthanone B	Acetic acid-Induced pain mouse model	Analgesic, 1.0 mg/kg		
187	Micranthanone C	Acetic acid-Induced pain mouse model	Analgesic, 1.0 mg/kg		
188	14-epi-Mollanol A	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg		
189	Mollanol B	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg		

<b>190</b>	Mollanol C	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg		
<b>191</b>	Pierisjaponin E	Acetic acid-Induced pain mouse model	Analgesic, 5.0 mg/kg	-	
<b>192</b>	Rhomollone A	-		-	
<b>193</b>	Rhodauricanol A	Acetic acid-Induced pain mouse model	Analgesic, 0.2 mg/kg	-	

ND: Activity not detected; -: Didn't report in the literature.