A new ascorbic acid derivative and two new terpenoids from the leaves and twigs of *Rhododendron decorum*

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**Supplementary Material**
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The IR spectrum of 1
The HRESIMS spectrum of 1
### MS Formula Results: + Scan (1.690 min) Sub (2015091806.d)

| min | Ion | Formula | Abundance |
|-----|-----|---------|-----------|
|     |     | C17H14 Na (O) | 377.0844 (M+Na) | SHE2.3 |

| Method | Formula (M) | Ion Formula | Score | Cross Sec | Mass | Calc. Mass | Calc: m/z | Diff (ppm) | Abs Diff (ppm) | Mass Match | Abund Match | Spacing Match | CDE |
|--------|-------------|-------------|-------|-----------|------|------------|-----------|-----------|----------------|-------------|-------------|---------------|-----|
| 1      | C17H14 (O)  | C18H18 Na (O) | 99.9% | 394.0861 | 394.0861 | 377.0844 | 3.17 | 0.17 | 100            | 99.49       | 99.53       | 8             | 8   |
| 2      | C17H14 Na (O) | C17H14 Na (O) | 99.9% | 394.0861 | 394.0861 | 377.0844 | 3.17 | 0.17 | 100            | 99.49       | 99.53       | 13            | 13  |

![Chemical Structure](image)

The HRESIMS spectrum of 1
The $^1$H NMR spectrum of 1 in CD$_3$N (600 MHz)
The $^{13}$C NMR spectrum of 1 in C$_5$D$_3$N (150 MHz)
The DEPT spectrum of 1 in C$_3$D$_5$N (150 MHz)
The COSY spectrum of 1 in C$_2$D$_3$N (600 MHz)
The HSQC of 1 in C$_2$D$_2$N ($^1$H: 600 MHz, $^{13}$C: 150 MHz)
The HMBC spectrum of 1 in C$_3$D$_5$N ($^1$H: 600 MHz, $^{13}$C: 150 MHz)
The HMBC spectrum (amplified) of 1 in C$_3$D$_5$N ($^1$H: 600 MHz, $^{13}$C: 150 MHz)
The NOESY spectrum of 1 in C$_3$D$_3$N (600 MHz)
The CD spectrum of 1.
The IR spectrum of 2
The HRESIMS spectrum of 2
**MS Formula Results: + Scan (4.222 min) Sub (2016100903.d)**

| MS/IS | ion | Formula | Abundance |
|-------|-----|---------|-----------|
| 441.2115 | C20 H34 Na O9 | 0.0000 |

| Peak | Formula (M) | ion Formula | Score | Cross Sox | Mass | Calc Mass | Calc M/z | Diff (ppm) | Abs Diff (ppm) | Mass Match | Abund Match | Spacing Match | DBE |
|------|-------------|-------------|-------|-----------|------|-----------|----------|------------|---------------|-------------|-------------|--------------|-----|
| 1    | C20 H34 O9  | C20 H34 O9  | 50.45 | 418.2222 | 418.2222 | 441.2996 | 4.64     | 4.64       | 99.10         | 99.96       | 99.96       | 0.00          | 2   |
| 2    | C21 H36 Na O | C21 H36 Na O | 97.75 | 418.2222 | 418.2222 | 441.2996 | 2.57     | 2.57       | 99.10         | 99.96       | 99.96       | 0.00          | 3   |
| 3    | C20 H35 Cl N O | C20 H35 Cl N O | 93.63 | 418.2222 | 418.2234 | 441.2177 | 2.93     | 2.93       | 99.74         | 99.49       | 99.49       | 0.00          | 4   |
| 4    | C20 H35 Cl N O | C20 H35 Cl N O | 92.41 | 418.2222 | 418.2234 | 441.2177 | 2.93     | 2.93       | 99.74         | 99.49       | 99.49       | 0.00          | 4   |
| 5    | C21 H38 Cl N O | C21 H38 Cl N O | 80.2  | 418.2222 | 418.2243 | 441.2135 | 5        | 5          | 99.25         | 99.49       | 99.49       | 0.00          | 3   |

The HRESIMS spectrum of 2
The $^1$H NMR spectrum of 2 in CD$_3$N (600 MHz)
The $^{13}$C NMR spectrum of 2 in C$_5$D$_5$N (150 MHz)
The DEPT spectrum of 2 in C$_5$D$_2$N (150 MHz)
The COSY spectrum of 2 in C\textsubscript{5}D\textsubscript{5}N (600 MHz)
The HSQC spectrum of 2 in C$_5$D$_5$N ($^1$H: 600 MHz, $^{13}$C: 150 MHz)
The HMBC spectrum of 2 in C$_3$D$_3$N ($^1$H: 600 MHz, $^{13}$C: 150 MHz)
The HMBC spectrum (amplified) of 2 in C$_5$D$_3$N (\textsuperscript{1}H: 600 MHz, \textsuperscript{13}C: 150 MHz)
The NOESY spectrum of 2 in C$_3$D$_5$N (600 MHz)
The IR spectrum of 3
The HRESIMS spectrum of 3

Qualitative Analysis Report
| m/z   | Ion    | Formula (M) | Abundance |
|-------|--------|-------------|-----------|
| 82    | S      | C$_{6}$H$_{5}$S O$_{10}$ | 99.89 |
| 350   | C$_{6}$H$_{5}$S O$_{10}$ | 860.4936 | 660.4936 | 660.4936 | -6.32 | 4.32 | 99.39 | 99.99 | 99.99 |

The HREMS spectrum of 3
The $^1$H NMR spectrum of 3 in C$_3$D$_3$N (500 MHz)
The $^{13}$C NMR spectrum of 3 in C$_5$D$_5$N (125 MHz)
The COSY spectrum of 3 in C$_5$D$_5$N (500 MHz)
The HSQC spectrum of 3 in C$_5$D$_5$N (1$^H$: 500 MHz, 1$^3$C: 125 MHz)
The HMBC spectrum of 3 in C$_2$D$_5$N (1H: 500 MHz, 13C: 125 MHz)
The HMBC spectrum (amplified) of 3 in C$_5$D$_5$N ($^1$H: 500 MHz, $^{13}$C: 125 MHz)
The NOESY spectrum of 3 in C$_3$D$_5$N (500 MHz)
The CD spectrum of 4