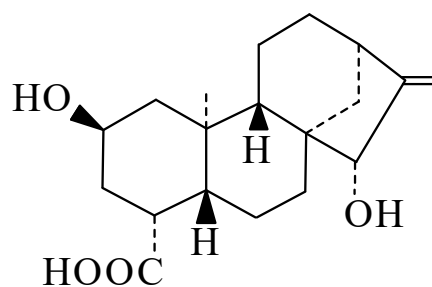




>>Entry Name: Atractyligenin

Synonym(s): *ent*-2 $\alpha$ ,15 $\beta$ -Dihydroxy-18-nor-16-kauren-19-oic acid



CAS Registry Number: 10391-47-6

Related CAS Registry Numbers(s): 1398-13-6

Molecular Formula: C<sub>19</sub>H<sub>28</sub>O<sub>4</sub>

Molecular Weight: 320.428

Accurate Mass: 320.19876

Percentage Composition: C 71.22%; H 8.81%; O 19.97%

Biological Source: Constit. of *Atractylis gummifera* and *Callilepis laureola*

Physical Description: Cryst.

Melting Point: Mp 189°

Optical Rotation:  $[\alpha]_D^{20}$  -146 (EtOH)

>>Derivative: 2-[2-(3-Methylbutanoyl)-3,4-di-*O*-sulfo- $\beta$ -D-glucopyranoside]

Synonym(s): Atractyloside. Atractylin. Atractylic acid. Atractylosidic acid

CAS Registry Number: 17754-44-8

Molecular Formula: C<sub>30</sub>H<sub>46</sub>O<sub>16</sub>S<sub>2</sub>

Molecular Weight: 726.816

Accurate Mass: 726.22273

Percentage Composition: C 49.58%; H 6.38%; O 35.22%; S 8.82%

Biological Source: Constit. of *Atractylis gummifera* and *Iphiona aucheri*

Physical Description: Cryst.

Melting Point: Mp 205 dec.°

Optical Rotation:  $[\alpha]_D^{20}$  -52 (c, 0.5 in MeOH)

>>Derivative: 2-*O*-[ $\beta$ -D-Glucopyranosyl-(1 $\rightarrow$ 2)- $\beta$ -D-glucopyranoside]

Molecular Formula: C<sub>31</sub>H<sub>48</sub>O<sub>14</sub>

Molecular Weight: 644.712

Accurate Mass: 644.30441

Percentage Composition: C 57.75%; H 7.50%; O 34.74%

Biological Source: Constit. of *Drymaria arenarioides*

Physical Description: Powder

Melting Point: Mp 249-252°

>>Derivative: 2-[2-(3-Methylbutanoyl)-3-*O*-sulfo- $\beta$ -D-glucopyranoside]

Molecular Formula: C<sub>30</sub>H<sub>46</sub>O<sub>13</sub>S

Molecular Weight: 646.752

Accurate Mass: 646.265915

Percentage Composition: C 55.71%; H 7.17%; O 32.16%; S 4.96%

Biological Source: Constit. of *Xanthium spinosum*

Optical Rotation:  $[\alpha]_D^{25}$  -64.5 (c, 1 in MeOH)