



**CAS Registry Number:** 195971-47-2

**Molecular Formula:** C<sub>41</sub>H<sub>64</sub>O<sub>13</sub>

**Molecular Weight:** 764.949

**Accurate Mass:** 764.434695

**Percentage Composition:** C 64.38%; H 8.43%; O 27.19%

**Biological Source:** Constit. of *Kochia scoparia*

**Physical Description:** Cryst. (CHCl<sub>3</sub>/MeOH)

**Melting Point:** Mp 211-214°

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>25</sup> +5.1 (c, 0.1 in MeOH)

>> **Derivative:** 3-O-[ $\beta$ -D-Glucopyranosyl-(1 $\rightarrow$ 2)- $\alpha$ -L-rhamnopyranoside]

**CAS Registry Number:** 192225-34-6

**Molecular Formula:** C<sub>42</sub>H<sub>68</sub>O<sub>12</sub>

**Molecular Weight:** 764.992

**Accurate Mass:** 764.47108

**Percentage Composition:** C 65.94%; H 8.96%; O 25.10%

**Biological Source:** Constit. of *Mimosa hamata*

**Physical Description:** Amorph. powder

**Melting Point:** Mp 220-225° (dec.)

>> **Derivative:** 3-O-[ $\beta$ -D-Glucopyranosyl-(1 $\rightarrow$ 2)-[ $\beta$ -D-xylopyranosyl-(1 $\rightarrow$ 3)]- $\beta$ -D-glucuronopyranoside]

**Synonym(s):** Kochianoside II

**CAS Registry Number:** 193894-13-2

**Molecular Formula:** C<sub>47</sub>H<sub>74</sub>O<sub>18</sub>

**Molecular Weight:** 927.091

**Accurate Mass:** 926.48752

**Percentage Composition:** C 60.89%; H 8.05%; O 31.06%

**Biological Source:** Constit. of *Kochia scoparia*

**Physical Description:** Cryst. (CHCl<sub>3</sub>/MeOH)

**Melting Point:** Mp 203-204°

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>23</sup> -9.6 (c, 0.1 in MeOH)

>> **Derivative:** Ac

**Synonym(s):** 3-Acetylmorolic acid

**CAS Registry Number:** 59132-34-2

**Molecular Formula:** C<sub>32</sub>H<sub>50</sub>O<sub>4</sub>

**Molecular Weight:** 498.745

**Accurate Mass:** 498.37091

**Percentage Composition:** C 77.06%; H 10.10%; O 12.83%

**Biological Source:** Isol. from bark of *Agauria salicifolia* and *Lithocarpus* sp.

**Melting Point:** Mp 315° (266-268°)

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>20</sup> +42 (c, 1 in CHCl<sub>3</sub>)

>> **Derivative:** 3-Ketone

**Synonym(s):** 3-Oxo-18-oleanen-28-oic acid. **Moronic acid.** Ambronic acid

**CAS Registry Number:** 6713-27-5

**Molecular Formula:** C<sub>30</sub>H<sub>46</sub>O<sub>3</sub>

**Molecular Weight:** 454.692

**Accurate Mass:** 454.344695

**Percentage Composition:** C 79.25%; H 10.20%; O 10.56%

**Biological Source:** Constit. of *Roylea elegans*, *Ozoroa mucronata* and others