



CAS Registry Number: 195971-47-2

Molecular Formula: C₄₁H₆₄O₁₃

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. (CHCl₃/MeOH)

Melting Point: Mp 211-214°

Optical Rotation: [α]_D²⁵ +5.1 (c, 0.1 in MeOH)

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

CAS Registry Number: 192225-34-6

Molecular Formula: C₄₂H₆₈O₁₂

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-[β -D-Glucopyranosyl-(1 $\rightarrow$ 2)-[β -D-xylopyranosyl-(1 $\rightarrow$ 3)]- β -D-glucuronopyranoside]

Synonym(s): Kochianoside II

CAS Registry Number: 193894-13-2

Molecular Formula: C₄₇H₇₄O₁₈

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. (CHCl₃/MeOH)

Melting Point: Mp 203-204°

Optical Rotation: [α]_D²³ -9.6 (c, 0.1 in MeOH)

>> **Derivative:** Ac

Synonym(s): 3-Acetylmorolic acid

CAS Registry Number: 59132-34-2

Molecular Formula: C₃₂H₅₀O₄

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: [α]_D²⁰ +42 (c, 1 in CHCl₃)

>> **Derivative:** 3-Ketone

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

CAS Registry Number: 6713-27-5

Molecular Formula: C₃₀H₄₆O₃

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