



Synonym(s): Butyroside D

Molecular Formula: C₅₇H₉₀O₂₉

Molecular Weight: 1239.321

Accurate Mass: 1238.556785

Percentage Composition: C 55.24%; H 7.32%; O 37.44%

Biological Source: Constit. of *Mudhuca butyracea*

>>**Derivative:** 3-*O*-β-D-Glucuronopyranoside, 28-*O*-[α-L-rhamnopyranosyl-(1→3)-β-D-xylopyranosyl-(1→4)-α-L-rhamnopyranosyl-(1→2)-α-L-arabinopyranosyl] ester

Synonym(s): 16-Hydroxymi-saponin A

Molecular Formula: C₅₈H₉₂O₂₉

Molecular Weight: 1253.347

Accurate Mass: 1252.572435

Percentage Composition: C 55.58%; H 7.40%; O 37.02%

Biological Source: Constit. of *Mimusops hexandra* and *Mimusops elengi* and *Madhuca butyracea*

Physical Description: Powder(MeOH)

Melting Point: Mp 236-240 dec.°

Optical Rotation: [α]_D²³ -57 (c, 0.48 in MeOH)

>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→3)-β-D-glucopyranoside], [D-apiofuranosyl-(1→3)-β-D-xylopyranosyl-(1→4)-α-L-rhamnopyranosyl-(1→2)-α-L-arabinopyranosyl] ester

Synonym(s): Arganine B

CAS Registry Number: 144425-21-8

Molecular Formula: C₆₃H₁₀₂O₃₃

Molecular Weight: 1387.479

Accurate Mass: 1386.630345

Percentage Composition: C 54.54%; H 7.41%; O 38.05%

Biological Source: Saponin from *Argania spinosa*

>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→6)-β-D-glucopyranoside], [α-L-rhamnopyranosyl-(1→3)-β-D-xylopyranosyl-(1→4)-[α-L-rhamnopyranosyl-(1→3)]-α-L-rhamnopyranosyl-(1→2)-β-D-xylopyranosyl] ester

Synonym(s): Tridesmosaponin A

CAS Registry Number: 133137-61-8

Molecular Formula: C₇₀H₁₁₄O₃₇

Molecular Weight: 1547.648

Accurate Mass: 1546.703905

Percentage Composition: C 54.33%; H 7.42%; O 38.25%

Biological Source: Saponin from *Tridesmostemon claessenssi*

Physical Description: Amorph. powder

Optical Rotation: [α]_D -52 (c, 0.5 in MeOH)

>>**Derivative:** 3-*O*-[β-D-Glucopyranosyl-(1→6)-β-D-glucopyranoside], [α-L-rhamnopyranosyl-(1→3)-β-D-xylopyranosyl-(1→4)-α-L-rhamnopyranosyl-(1→2)-α-L-arabinopyranosyl] ester

Synonym(s): Arganine A

CAS Registry Number: 144425-20-7

Molecular Formula: C₆₄H₁₀₄O₃₃

Molecular Weight: 1401.506

Accurate Mass: 1400.645995

Percentage Composition: C 54.85%; H 7.48%; O 37.67%

Biological Source: Saponin from *Argania spinosa*

>>**Derivative:** 3-*O*-α-L-Rhamnopyranoside, [α-L-rhamnopyranosyl-(1→3)-[α-L-rhamnopyranosyl-(1→4)]-β-D-xylopyranosyl-(1→4)-α-L-rhamnopyranosyl-(1→2)-β-D-xylopyranosyl] ester