Molecular Formula: $C_{60}H_{92}O_{28}$
Molecular Weight: 1261.37
Accurate Mass: 1260.57752
Percentage Composition: C 57.13%; H 7.35%; O 35.52%
Biological Source: Constit. of *Camella sinensis* var. *assamica*
Physical Description: Cryst. ($CHCl_3$/MeOH)
Melting Point: Mp 208.2-209.5°
Optical Rotation: $[\alpha]_D^{26}$+35.6 (c, 0.1 in MeOH)

>>**Variant:** (3β,16β,21β,22α)-form
Synonym(s): Gymnemagenin

CAS Registry Number: 22467-07-8

Molecular Formula: $C_{30}H_{50}O_6$
Molecular Weight: 506.721
Accurate Mass: 506.36074
Percentage Composition: C 71.11%; H 9.95%; O 18.94%
Biological Source: Aglycone from *Gymnema sylvestre*
Physical Description: Cryst. ($CHCl_3$/MeOH)
Melting Point: Mp 328-335°
Optical Rotation: $[\alpha]_D^{25}$+53.1 (c, 1 in MeOH)

>>**Derivative:** 3-*O*-β-D-Glucuronopyranoside
Synonym(s): Deacylgymnemic acid

Molecular Formula: $C_{36}H_{58}O_{12}$
Molecular Weight: 682.847
Accurate Mass: 682.39283
Percentage Composition: C 63.32%; H 8.56%; O 28.12%
Physical Description: Cryst.
Melting Point: Mp 230-235°

>>**Derivative:** 28-Ac, 3-*O*-β-D-glucuronopyranoside
Synonym(s): Gymnemic acid X

CAS Registry Number: 147934-05-2

Molecular Formula: $C_{38}H_{60}O_{13}$
Molecular Weight: 724.884
Accurate Mass: 724.403395
Percentage Composition: C 62.96%; H 8.34%; O 28.69%
Biological Source: Constit. of *Gymnema sylvestre*
Physical Description: Powder
Melting Point: Mp 210-212°
Optical Rotation: $[\alpha]_D$ +14.9 (c, 2.3 in MeOH)

>>**Derivative:** 21-*O*-(2*S*-Methylbutanoyl), 3-*O*-[β-*arabino*-2-hexulopyranosyl-(1→3)-β-D-glucuronopyranoside]
Synonym(s): Gymnemic acid VIII

Molecular Formula: $C_{47}H_{74}O_{18}$
Molecular Weight: 927.091
Accurate Mass: 926.48752
Percentage Composition: C 60.89%; H 8.05%; O 31.06%
Biological Source: Constit. of *Gymnema sylvestre*
Physical Description: Powder
Melting Point: Mp 218-220°
Optical Rotation: $[\alpha]_D^{20}$+17.3 (c, 0.74 in MeOH)

>>**Derivative:** 21-*O*-(2*S*-Methylbutanoyl), 3-*O*-β-D-glucuronopyranoside
Synonym(s): Gymnemic acid III

CAS Registry Number: 122074-65-1