CAS Registry Number: 155740-21-9

Molecular Formula: $C_{58}H_{94}O_{25}$
Molecular Weight: 1191.366
Accurate Mass: 1190.608425
Percentage Composition: C 58.47%; H 7.95%; O 33.57%
Biological Source: Constit. of *Lonicera japonica*
Physical Description: Needles (MeOH aq.)
Melting Point: Mp 218-222°. Mp 224-226°
Optical Rotation: $[\alpha]_D^{25}$ –70.3 (c, 0.3 in Py). $[\alpha]_D^{20}$ –76.3 (c, 0.2 in MeOH)

>>**Derivative:** 3-*O*-[α-L-Rhamnopyranosyl-(1→2)-α-L-arabinopyranoside], 28-*O*-[α-L-rhamnopyranosyl-(1→4)-β-D-glucopyranosyl-(1→6)-β-D-glucopyranosyl] ester
Synonym(s): Tauroside H_2. Hederoside H_1. Akebiasaponin P_K. Glycoside L-H_2. Kalopanaxsaponin B. Akeboside St_h

CAS Registry Number: 14216-03-6

Molecular Formula: $C_{59}H_{96}O_{26}$
Molecular Weight: 1221.392
Accurate Mass: 1220.61899
Percentage Composition: C 58.02%; H 7.92%; O 34.06%
Biological Source: Constit. of *Hedera taurica*, *Hedera canariensis* and *Akebia quinata*. Isol. from the roots of *Kalopanax septemlobum* and leaves of *Hedera helix*. Component of Mu Tong and Mu Tong Gen
Physical Description: Powder + $3H_2O$
Melting Point: Mp 212-215 dec.°
Optical Rotation: $[\alpha]_D$ –18 (c, 2.76 in MeOH)

>>**Derivative:** 3-*O*-[α-L-Rhamnopyranosyl-(1→2)-α-L-arabinopyranoside], 28-*O*-[α-L-rhamnopyranosyl-(1→4)-6-*O*-acetyl-β-D-glucopyranosyl-(1→6)-β-D-glucopyranosyl] ester
Synonym(s): Kizutasaponin K_{11}

CAS Registry Number: 97240-03-4

Molecular Formula: $C_{61}H_{98}O_{27}$
Molecular Weight: 1263.429
Accurate Mass: 1262.629555
Percentage Composition: C 57.99%; H 7.82%; O 34.19%
Biological Source: Constit. of *Hedera rhombea*
Physical Description: Cryst.
Melting Point: Mp 187-191 dec.°
Optical Rotation: $[\alpha]_D^{25}$ –22.1 (c, 1.4 in MeOH)

>>**Derivative:** 3-*O*-[α-L-Rhamnopyranosyl-(1→2)-β-D-glucopyranoside], 28-*O*-[α-L-rhamnopyranosyl-(1→4)-β-D-glucopyranosyl-(1→6)-β-D-glucopyranosyl] ester
Synonym(s): Glycoside L-I_1. Tauroside St-I_2

CAS Registry Number: 166547-54-2

Molecular Formula: $C_{60}H_{98}O_{27}$
Molecular Weight: 1251.418
Accurate Mass: 1250.629555
Percentage Composition: C 57.59%; H 7.89%; O 34.52%
Biological Source: Constit. of *Hedera canariensis* and *Hedera taurica*
Optical Rotation: $[\alpha]_D$ –11 (c, 0.5 in Py)

>>**Derivative:** 3-*O*-[6-Deoxy-β-D-glucopyranosyl-(1→2)-α-L-arabinopyranoside], 28-*O*-[α-L-rhamnopyranosyl-(1→4)-β-D-glucopyranosyl-(1→6)-β-D-glucopyranosyl] ester

CAS Registry Number: 261767-93-5

Molecular Formula: $C_{59}H_{96}O_{26}$
Molecular Weight: 1221.392
Accurate Mass: 1220.61899
Percentage Composition: C 58.02%; H 7.92%; O 34.06%
Biological Source: Constit. of *Trevesia palmata*
Physical Description: Amorph. powder
Optical Rotation: $[\alpha]_D^{25}$ +25 (c, 1 in MeOH)