Calculated Log P Data: Log P 10.4 (uncertain value) (calc)

>>**Variant:** 3β-form
Synonym(s): Betulinic acid. Melaleucin. Mairin. Gratiolone. Platanol. Platanolic acid. Betulic acid

CAS Registry Number: 472-15-1

Molecular Formula: $C_{30}H_{48}O_3$
Molecular Weight: 456.707
Accurate Mass: 456.360345
Percentage Composition: C 78.90%; H 10.59%; O 10.51%
Biological Source: From *Betula* spp., *Cornus florida, Zizyphus vulgaris, Arbutus menziesii* and many other plant spp.
Biological Use/Importance: Shows antibacterial activity. Induces apoptosis. Shows antineoplastic activity against malignant melanoma
Physical Description: Cryst. (MeOH or by subl.)
Melting Point: Mp 275-278°
Optical Rotation: $[\alpha]_D^{23}$+7.9 (c. 0.57 in Py)
Solubility: BERDY SOL: Sol. Me_2CO, $CHCl_3$; poorly sol. hexane
Calculated Log P Data: Log P 8.44 (uncertain value) (calc)
Aldrich: 85505-7
Sigma: B3769

>>**Derivative:** Me ester

CAS Registry Number: 2259-06-5

Molecular Formula: $C_{31}H_{50}O_3$
Molecular Weight: 470.734
Accurate Mass: 470.375995
Percentage Composition: C 79.10%; H 10.71%; O 10.20%
Biological Source: Isol. from various plant spp.
Physical Description: Cryst. (EtOAc)
Melting Point: Mp 221-224°

>>**Derivative:** 3-*O*-[α-D-Glucopyranosyl-(1→4)-β-D-glucopyranoside]
Synonym(s): Betulinic acid *O*-β-D-maltoside

CAS Registry Number: 103482-16-2

Molecular Formula: $C_{42}H_{68}O_{13}$
Molecular Weight: 780.991
Accurate Mass: 780.465995
Percentage Composition: C 64.59%; H 8.78%; O 26.63%
Biological Source: Isol. from the roots of *Acacia leucophloea*

>>**Derivative:** 3-*O*-α-L-Rhamnopyranoside

CAS Registry Number: 75365-42-3

Molecular Formula: $C_{36}H_{58}O_7$
Molecular Weight: 602.85
Accurate Mass: 602.418255
Percentage Composition: C 71.73%; H 9.70%; O 18.58%
Biological Source: Constit. of *Dillenia pentagyna*
Melting Point: Mp 290° (dec.)
Optical Rotation: $[\alpha]_D^{25}$+28 (Py)

>>**Derivative:** 3-*O*-β-D-Glucopyranoside, 28-*O*-[β-D-glucopyranosyl-(1→6)-β-D-glucopyranosyl] ester
Synonym(s): Cirensenoside P. Cirenshenoside P

CAS Registry Number: 194474-46-9

Molecular Formula: $C_{48}H_{78}O_{18}$
Molecular Weight: 943.133
Accurate Mass: 942.51882
Percentage Composition: C 61.13%; H 8.34%; O 30.54%
Biological Source: Constit. of *Oplopanax elatus*
Physical Description: Cryst.
Melting Point: Mp 204-206°
Optical Rotation: [α]