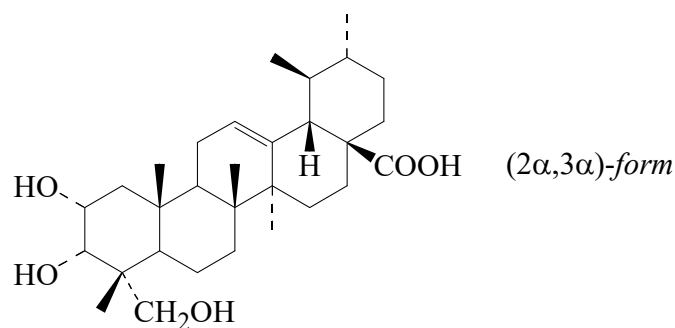




>>Entry Name: 2,3,23-Trihydroxy-12-ursen-28-oic acid



Related CAS Registry Numbers(s): 103974-74-9

Molecular Formula: $C_{30}H_{48}O_5$

Molecular Weight: 488.706

Accurate Mass: 488.350175

Percentage Composition: C 73.73%; H 9.90%; O 16.37%

>>Variant: (2 α ,3 α)-form

Synonym(s): Esculentic acid‡. Dammarolic acid

CAS Registry Number: 76964-07-3

Molecular Formula: $C_{30}H_{48}O_5$

Molecular Weight: 488.706

Accurate Mass: 488.350175

Percentage Composition: C 73.73%; H 9.90%; O 16.37%

Biological Source: Constit. of *Nepeta hindostana*, *Diplazium esculentum*, *Hedyotis lawsoniae* and *Prunella vulgaris*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 270°

Optical Rotation: $[\alpha]_D +51$ (EtOH)

Other Data: The sample from *N. hindostana* was originally assigned the (2 β ,3 α)-config.

>>Variant: (2 α ,3 β)-form

Synonym(s): Asiatic acid

CAS Registry Number: 464-92-6

Molecular Formula: $C_{30}H_{48}O_5$

Molecular Weight: 488.706

Accurate Mass: 488.350175

Percentage Composition: C 73.73%; H 9.90%; O 16.37%

Biological Source: Constit. of *Dipterocarpus pilosus*, *Dryobalanops aromatica* and others

Physical Description: Cryst. by subl.

Melting Point: Mp 300-305°

Calculated Log P Data: Log P 5.37 (calc)

Hazard & Toxicity: Causes exp. neoplasms

>>Derivative: Me ester

CAS Registry Number: 20016-63-1

Physical Description: Cryst. (C_6H_6)

Melting Point: Mp 224-225.5°

Optical Rotation: $[\alpha]_D +54.5$

>>Derivative: 28-O- β -D-Glucopyranosyl ester

Synonym(s): Quadranoside IV

CAS Registry Number: 267001-55-8

Molecular Formula: $C_{36}H_{58}O_{10}$

Molecular Weight: 650.848

Accurate Mass: 650.403

Percentage Composition: C 66.44%; H 8.98%; O 24.58%

Biological Source: Constit. of *Combretum quadrangulare*

Physical Description: Amorph. solid

Optical Rotation: $[\alpha]_D^{25} +13.1$ (c, 0.137 in MeOH)