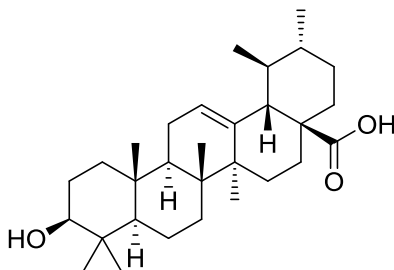


## Ursolic acid

Code No.: **BIA-U1762**

Pack sizes: **1 mg, 5 mg**



Synonyms : (+)-Ursolic acid, Bungeolic acid, Malol, Merotaine, NSC 167406, NSC 4060, Neoage UR, Prunol, Ursolisome, Urson,  $\beta$ -Ursolic acid

## Specifications

CAS #	: <b>77-52-1</b>
Molecular Formula	: <b>C<sub>30</sub>H<sub>48</sub>O<sub>3</sub></b>
Molecular Weight	: <b>456.7</b>
Source	: <b><i>Syncarpia laurifolia</i></b>
Appearance	: <b>White solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO.</b>

## Application Notes

Ursolic acid is a pentacyclic triterpenoid first published over 100 years ago, present in the natural wax of various fruits and vegetables. Ursolic acid has antitumor, antidiabetic, metabolic, antiarrhythmic, anti-hyperlipidemic, antimicrobial and cardiovascular properties. Ursolic acid also possesses antiulcer and angiogenesis inhibiting properties.

## References

1. Constituents of the leaves of *Prunus serotina*. Power F.B. & Moore C.W., Pharm. J. 1910, 84, 710.
2. Tumor inhibitory agents from *Vauquelinia corymbosa* (Rosaceae). Trumbull E.R. et al., J. Pharm. Sci. 1976, 65, 1407.
3. Ursolic acid derivatives for pharmaceutical use: a patent review (2012-2016). Hussain H. et al., Expert Opin. Ther. Pat. 2017, 27, 1061.
4. Ursolic acid and mechanisms of actions on adipose and muscle tissue: a systematic review. Katashima C.K. et al., *Obes. Rev.* 2017, 18, 700.