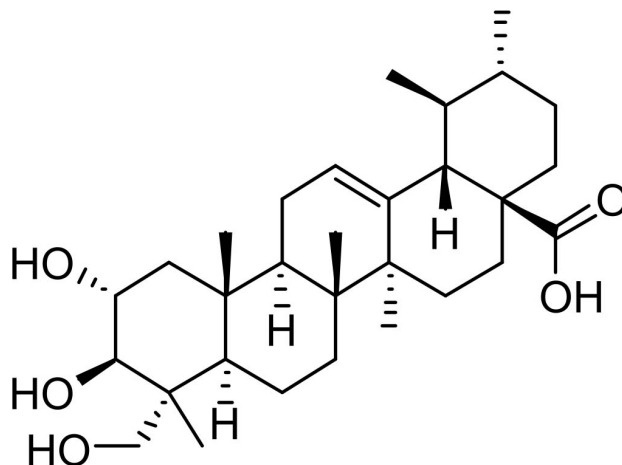


## Asiatic acid

Pack sizes.: 25mg, 100mg



### Synonyms:

2 $\alpha$ ,3 $\beta$ ,23-Trihydroxyurs-12-en-28-oic acid, Dammarolic acid, NSC 166063

## Specifications

CAS #	: <b>464-92-6</b>
Molecular Formula	: <b>C30H48O5</b>
Molecular Weight	: <b>488.7</b>
Source	: -
Appearance	: <b>White solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in methanol or DMSO</b>

## Application Notes

Asiatic acid is a pentacyclic triterpene abundant in many medicinal plants first published in the 1950s. Asiatic acid has broad biological activity including inhibition of human collagen I synthesis and neuro- and cardioprotective effects. Asiatic acid induces apoptosis through activation of extracellular signal-regulated kinase and p38 mitogen-activated protein kinase pathways in human breast cancer cells.

## References

1. Influence of asiatic acid, madecassic acid, and asiaticoside on human collagen I synthesis. Bonte F. et al. *Planta medica* 1994, 60, 133.
2. Structure-activity relationship study of asiatic acid derivatives against beta amyloid (A $\beta$ )-induced neurotoxicity. Jew S.S. et al. *Bioorg Med Chem Lett* 2000, 10, 119.
3. Asiatic acid, a triterpene, induces apoptosis and cell cycle arrest through activation of extracellular signal-regulated kinase and p38 mitogen-activated protein kinase pathways in human breast cancer cells. Hsu Y-L.

et al. J Pharmacol Exper Ther 2005, 313, 333.