**Madecassic Acid**

**Product ID** M0114  
**CAS No.** 18449-41-7  
**Chemical Name** (2α,3β,4α,6β)-2,3,6,23-tetrahydroxy-Urs-12-en-28-oic acid

**Synonym** Brahmic acid

**Formula** C_{30}H_{48}O_{6}  
**Formula Wt.** 504.70  
**Melting Point** 255-260°C, 270°C (dec)  
**Purity** ≥95%

**Description** Madecassic acid is a triterpene originally found in *Centella* that exhibits anticancer chemotherapeutic, immunomodulatory, and anti-inflammatory activities. In macrophages, madecassic acid downregulates LPS-stimulated expression of iNOS, COX-2, IL-6, TNF-α, and IL-1β; it also prevents activation of NF-κB and degradation of IκB kinase. In cellular and animal models of colon cancer, madecassic acid decreases the mitochondrial membrane potential, modulates CD4+ and CD8+ T cell populations, and induces apoptosis, inhibiting cell and tumor growth.

**References**  


**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.