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: C₃₀H₄₈O₆
Formula Wt.: 504.70
Melting Point: 255-260°C, 270°C (dec)
Purity: ≥95%
Solubility: Insoluble in water. Soluble in ethanol (20 mg/mL), DMSO (50 mg/mL).

Store Temp: Ambient
Ship Temp: Ambient

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.