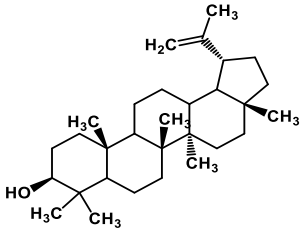
Lupeol

Name of the Phytochemical	**Lupeol**
Chemical Structure	
Botanical Source	Crataeva nurvala
CAS Number	545-47-1
Functional Activity	• Potent anti-inflammatory, anti-carcinogenic, anti-mutagenic, and anti-malarial activity. • An effective Androgen Receptor inhibitor, can be developed as a potential agent to treat human prostate cancer (CaP). • It suppresses the growth of hepatocellular carcinoma cell lines SMMC7721 and HepG2 with IC_{50}values of 45 and 48.5 μM and melanoma cell lines Mel 928 and Mel 1241 with IC_{50} values of 75 and 72 μM. • It has been tested for its therapeutic efficiency against conditions including wound healing, diabetes, cardiovascular disease, kidney disease, and arthritis
Key References	1. Clinical systemic lupeol administration for canine oral malignant melanoma, **Molecular and clinical oncology, 2015, 3, 89-92** 2. Non- surgical treatment of canine oral malignant melanoma. A case study of the application of complementory alternative medicine, **Oncol Lett. 2014, 7, 1829-1830** 3. Lupeol, a novel androgen receptor inhibitor: implications in prostate cancer therapy, **Clin Cance Res. 2011, 17, 5379-5391** 4. Clinical Trial of Lupeol for Mild-moderate Acne, **https://clinicaltrials.gov/ct2/show/NCT02152865** 5. Clinical Study for Topical Lupeol in Acne **(https://clinicaltrials.gov/ct2/show/NCT02205892)**