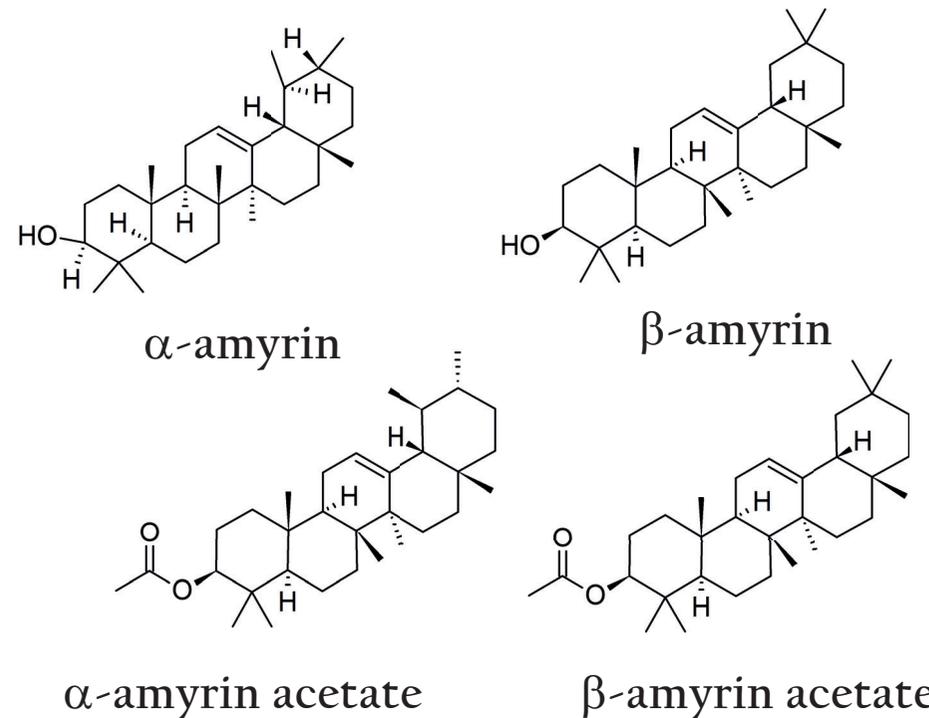


Protium heptaphyllum powder extract
with the highest standardized
content of amyryns and bioactive
triterpenes on the market.

CalEXTEROL



Calliero

CalEXTEROL powder extract with 55% total amyryns
(550 g/kg neutral fraction) and 9.5% bioactive triterpenes
(95 g/kg acidic fraction)

Ca**EX**TEROL

Protium heptaphyllum powder extract with the highest standardized content of amyryns and bioactive triterpenes on the market.

Alpha- and beta-Amyryns are pentacyclic triterpenoid that characterize the gum resins of *Protium heptaphyllum* (Burseraceae Family), which also contains several different subgroups of acidic triterpenoids with ursane, tirucallane and oleanane structures. These molecules possess a wide spectrum of biological and pharmacological activities including anti-inflammatory, anti-nociceptive, gastroprotective, hepatoprotective, anti-hyperglycemic and hypolipidemic effects [Moura de Melo et al. 2019, Biomed. Pharmacother. 109:1860–1866]. α and β Amyrin can be developed as a new therapeutic agent for treatment and prevention of obesity due to their anti-adipogenic effect principally via modulation of lipid and carbohydrate metabolism [Carvalho et al. 2017, Planta Med. 83:285–29]. Recent studies on human hepatocytes have also revealed the ability of *Protium heptaphyllum* extracts to reduce cholesterol production and regulate the expression of proteins involved in cholesterol metabolism. (HMGCR, PCSK9, LDLR, FXR, IDOL, and PPAR) [Mannino et al. 2021, Int. J. Mol. Sci. 22:2664]. Therefore, a high standardized content of amyryns and bioactive tirucallane, oleanane and ursane triterpenes may be a useful support to contrast hypercholesterolemia and obesity.

Best gum resins



Fractionation



Top Analytical Quality Control



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