

# Cycloastragenol

Catalog No: tcsc3714



## Available Sizes

**Size:** 10mg

**Size:** 50mg



## Specifications

**CAS No:**

84605-18-5

**Formula:**

$C_{30}H_{50}O_5$

**Pathway:**

Others

**Target:**

Others

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

Cyclogalagenin;Cyclogalegenin;Cyclogalegigenin

**Observed Molecular Weight:**

490.72

## Product Description

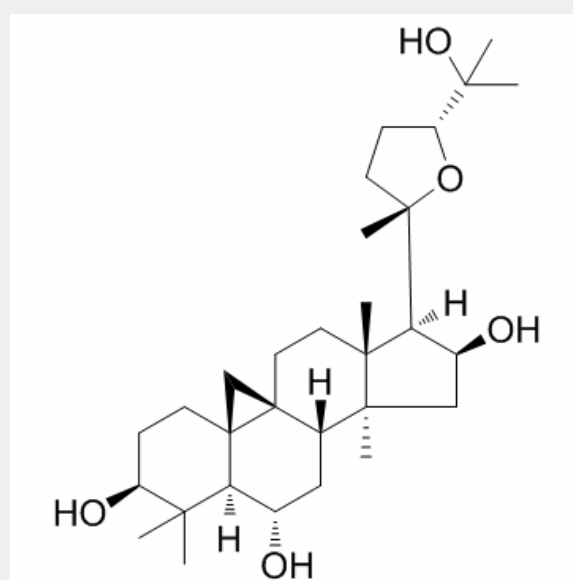
Cycloastragenol, a natural tetracyclic triterpenoid, was first identified when screening Astragalus membranaceus extracts for active ingredients with antiaging properties.

IC50 value:

Target:

**In vitro:** In the study of Cycloastragenol the treatment of degenerative diseases, the result showed that first-pass intestinal metabolism of cycloastragenol might occur upon passage through the intestinal epithelium. Cycloastragenol underwent extensive metabolism in rat and human liver microsomes with only 17.4% and 8.2%, respectively, of the starting amount of Cycloastragenol remaining after 30 min of incubation [1]. The present study demonstrates that cycloastragenol stimulates telomerase activity and cell proliferation in human neonatal keratinocytes. In particular, cycloastragenol promotes scratch wound closure of human neonatal keratinocyte monolayers in vitro [3].

**In vivo:** Rats were treated with Cycloastragenol (40 mg·kg<sup>-1</sup>·d<sup>-1</sup>) for 7 days to induce hepatic microsomal enzyme. The result showed that compared with the control, cycloastragenol obviously activated CYP2E1, and remarkably inhibited CYP3A4 [2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!