

Cycloastragenol

CAS No.: 78574-94-4 (Or 84605-18-5)

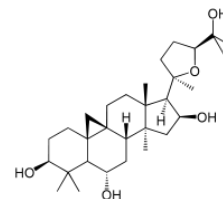
Chemical Name: Cycloastragenol

Synonyms:

Cyclogalegenin; Cyclogalagenin; cycloastragenol; Cyclogalgeginin; Cyclogalegigenin; (3b,6a,16b,24R)-20,24-Epoxy-9,19-cyclolanostane-3,6,16,25-tetrol; (3b,5ξ,6a,9ξ,10ξ,16b,17ξ,24R)-20,24-Epoxy-9,19-cyclolanostane-3,6,16,25-tetrol

Molecular Formula: C₃₀H₅₀O₅

Formula Weight: 490.715

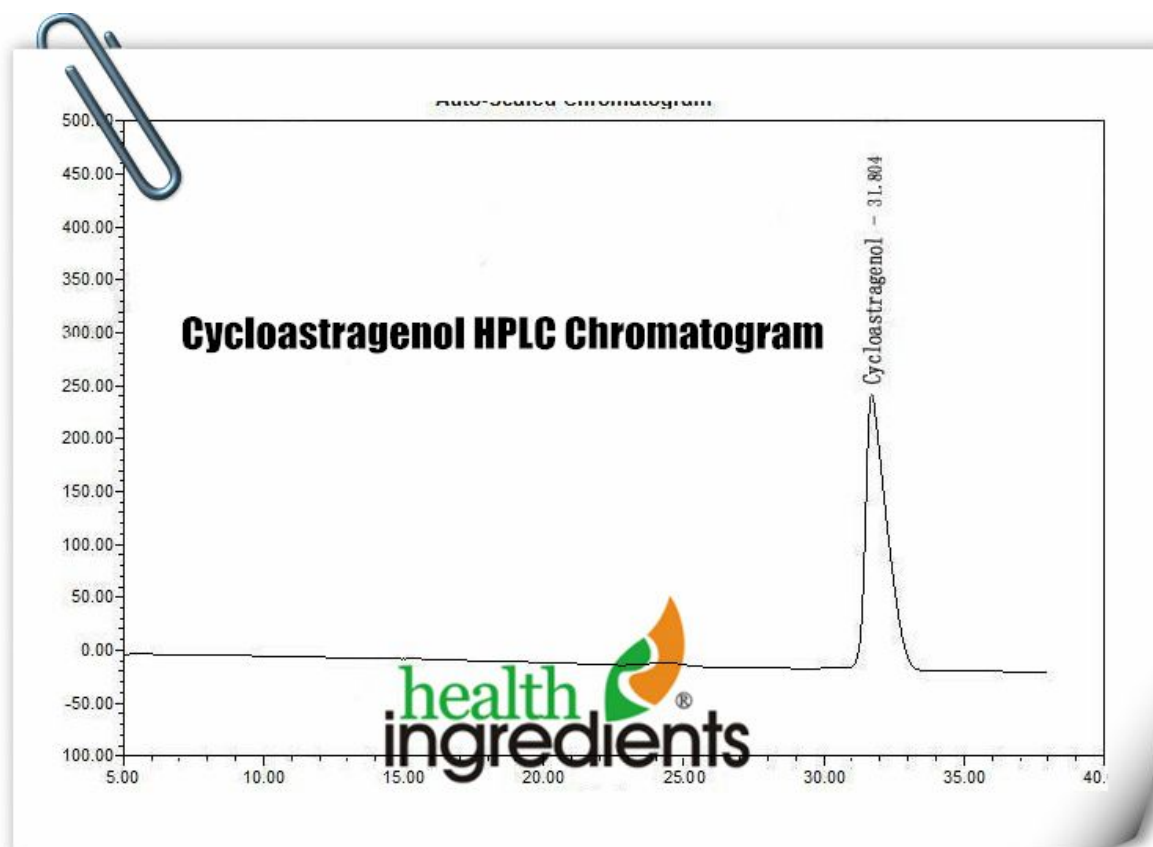


Usage

Cycloastragenol is an aglycone derivative of astragaloside IV found in the root of *Astragalus membranaceus*.

Info

Cycloastragenol is a molecule isolated from various species in the genus *Astragalus* that is purported to have telomerase activation activity. A single in vitro study done in 2009 led to claims that cycloastragenol may activate telomerase, leading to controversial claims for its role in reducing the effects of aging.



CERTIFICATE OF ANALYSIS

Product name	Cycloastragenol 98%
CAS No.	78574-94-4
Botanical source	<i>Astragalus Membranaceus(fisch)Bge</i>
Plant part used	Root
Batch Number	RDE-140922
Batch Quantity	10 Kg
Manufacture Date	Sept. 15, 2015
Date of Certificate	Sept. 22, 2015

ANALYSIS	SPECIFICATION	RESULTS
Appearance	White Powder	Complies
Odor	Characteristic	Complies
Assay (HPLC)	Cycloastragenol $\geq 98\%$	98.62%
Melting point	238-242 °C	238-241 °C
Sieve analysis	100% pass 80 mesh sieve	Complies
Loss on Drying	$\leq 1.00\%$	0.31%
Ash	$\leq 1.00\%$	0.27%
Heavy Metal	<10 ppm	Complies
Lead	<2 ppm	Complies
Arsenic	<2 ppm	Complies
Microbiology		
Total Plate Count	<1000cfu/g	150
Yeast & Moulds	<100cfu/g	20
E.Coli	Negative	Negative
Salmonella	Negative	Negative

Conclusion	Conform with specification
Storage	Store in sealed containers at cool & dry place. Keep away from light, moisture and pest infestation.
Shelf life	2 years when properly stored

Zhang Zhewen

Quality Assurance Officer



Quality Control