

Tigogenin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Tigogenin

Catalog No.: CFN98501

Cas No.: 77-60-1

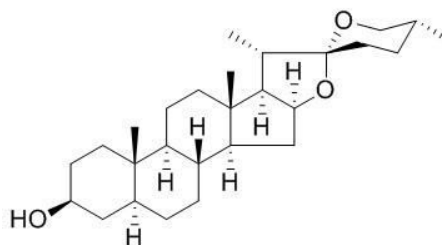
Purity: >=98%

M.F: C₂₇H₄₄O₃

M.W: 416.64

Physical Description: Powder

Synonyms: (3beta,5alpha,17xi,25R)-spirostan-3-ol; (3beta,5alpha,25R)-spirostan-3-ol;
(3beta,5alpha,8xi,9xi,14xi,25R)-spirostan-3-ol; (3beta,5alpha,25S)-spirostan-3-ol.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

The herbs of *Agave sisalana* Perrine.

[Biological Activity or Inhibitors]

Tigogenin may modulate differentiation of bone marrow stromal cells (BMSCs) to cause a lineage shift away from the adipocytes and toward the osteoblasts, which is at least mediated by inhibition of PPARgamma and via p38 MAPK pathway, and is a potential drug preventing the development of osteoporosis and the related disorders.^[1]

Tigogenin is an anti-tumor active component in *Tribulus terrestris*.^[2]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[2]

Mobile phase: 0.5% Acetic acid in water- Methanol, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 369 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Zhou H, Yang X, Wang N, *et al. Mol. Cell. Endocrinol.*, 2007, 270(1-2):17-22.

[2] Fang H, Bi K, Qian Z, *et al. Chinese Journal of Pharmaceutical Analysis*, 2012, 32(6):966-9.

[Contact]

Address:

S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

Tech Support: service@chemfaces.com