

Hecogenin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Hecogenin

Catalog No.: CFN98586

Cas No.: 467-55-0

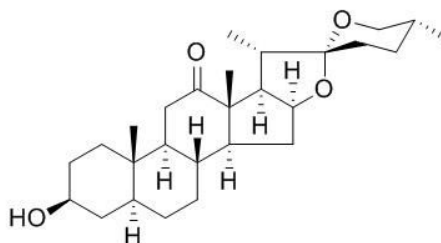
Purity: > 95%

M.F: C₂₇H₄₂O₄

M.W: 430.62

Physical Description: Powder

Synonyms: 25R,5alpha-spirostan-3beta-ol-12-one;(25R)-5-Spirostan-3-ol-12-one.



[Intended Use]

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

[Source]

The roots of *Aconitum carmichaeli* Debx.

[Biological Activity or Inhibitors]

Hecogenin is a nonselective UDP-glucuronosyltransferases (UGTs) inhibitor.^[1]

Hecogenin has an antiproliferative effect on human 1547 osteosarcoma cells.^[2]

Hecogenin has a significant gastroprotective effect that seems to be mediated by K⁺ (ATP) channels opening and the COX-2/PG pathway; in addition, its antioxidant and anti-inflammatory properties may play a role in the gastroprotective drug effect. ^[3]

Hecogenin and tigogenin have inhibition of human rheumatoid arthritis synovial cell survival, the effect is associated with increased apoptosis, p38 mitogen-activated protein kinase activity and upregulation of cyclooxygenase-2.^[4]

[Solvent]

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

[HPLC Method]^[5]

Mobile phase: Methanol -H₂O=85:15 ;

Flow rate: 1.0 ml/min;

Column temperature: 40 °C;

The wave length of determination: 205 nm.

[Storage]

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

[References]

[1] Uchaipichat V, Mackenzie PI, Elliot DJ, *et al. Drug Metab. Dispos.*, 2006, 34(3):449-56.

[2] Corbiere C, Liagre B, Bianchi A, *et al. Int. J. Oncol.*, 2003, 22(4):899-905.

[3] Santos C G, Dos S e S G, Rios V E, *et al. Eur. J. Pharmacol.*, 2012, 683(1-3):260-9.

[4] Liagre B, Vergnesalle P, Leger D Y, *et al. Int. J.Mol.Med.*, 2007, 20(4):451-60.

[5]Chen Y G, Qu W J, Yang N Y, *et al. Nat.Prod.Res. Develop.* 2006, 18(6):927-31.

[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