

Turkesterone Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Turkesterone

Catalog No.: CFN90217

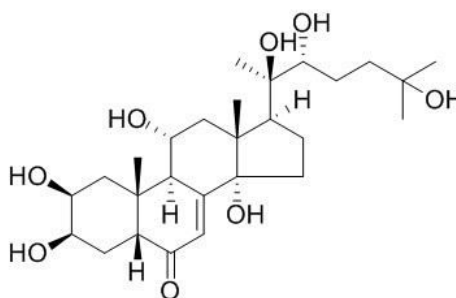
Cas No.: 41451-87-0

Purity: >=98%

M.F: C₂₇H₄₄O₈

M.W: 496.64

Physical Description: Powder



Synonyms: (20R,22R)-2 β ,3 β ,11 α ,14 α ,20,22,25-Heptahydroxy-5 β -cholest-7-en-6-one.

[Intended Use]

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

[Source]

The herbs of *Cyanotis arachnoides* C. B. Clarke.

[Biological Activity or Inhibitors]

Turkesterone, isolated from *Ajuga turkestanica* herbs, has immunomodulating and antistress activity, can increase the adaptation capacity of mice under immobilization-induced stress conditions.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Methanol -H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 242 nm.

[Storage]

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

[References]

[1] Shakhmurova G A, Syrov V N, Khushbaktova Z A. *Pharm.Chem. J.*, 2010, 44(1):7-9.

[2] Dinan L, Bourne P, Whiting P, *et al. J. Insect Sci.*, 2002, 3(6):6-6.

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