

Heraclenol Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Heraclenol

Catalog No.: CFN98402

Cas No.: 31575-93-6

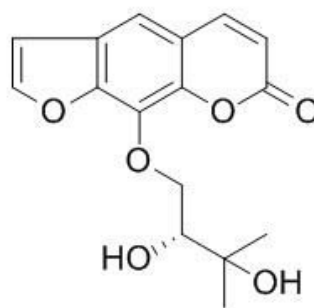
Purity: > 95%

M.F: C₁₆H₁₆O₆

M.W: 304.3

Physical Description: Powder

Synonyms: 9-[(2R)-2,3-Dihydroxy-3-methylbutoxy]furo[3,2-g]chromen-7-one.



[Intended Use]

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

[Source]

The herbs of *Heracleum repula* Franch.

[Biological Activity or Inhibitors]

Heraclenol is a germination inhibitor in the parsley seeds.^[1]

Heraclenol has anti-inflammatory properties against the ear edema in mice produced by TPA.^[2]

Heraclenol and heraclenin inhibit the proliferation of melanoma cells and cell cycle at G2/M at concentrations of 0.1-1.0 μM .^[3]

[Solvent]

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

[HPLC Method]^[4]

Mobile phase: Acetonitrile-H₂O, gradient elution ;

Flow rate: 0.85 ml/min;

Column temperature: 30°C;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Kato T, Kobayashi M, Sasaki N, *et al. Phytochemistry*, 1978, 17(1):158-9.

[2] Garcíaargáez A N, Apan T O R, Delgado H P, *et al. Planta Med.*, 2000, 66(3):279-81.

[3] Kimura Y, Sumiyoshi M, Sakanaka M, *et al. Photochem. Photobiol.*, 2013 Sep-Oct; 89(5):1216-25.

[4] Setzer W N, Vogler B, Bates R B, *et al. Phytochem. Anal.*, 2003, 14(1):54-9.

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