

Diacerein Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Diacerein

Catalog No.: CFN90145

Cas No.: 13739-02-1

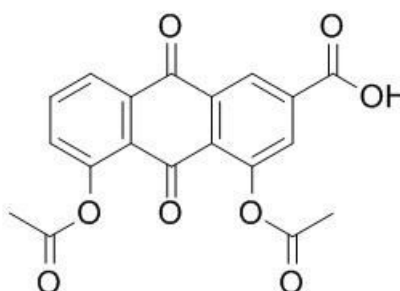
Purity: >=98%

M.F: C₁₉H₁₂O₈

M.W: 368.29

Physical Description: Powder

Synonyms: 1,8-Diacetoxy-3-carboxyanthraquinone; 4,5-Diacetoxyanthraquinone-2-carboxylic acid.



[Intended Use]

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

[Source]

The root and rhizome of *Rheum palmatum* L.

[Biological Activity or Inhibitors]

Diacerein is as effective as piroxicam in reducing pain and improving function in the treatment of painful knee osteoarthritis but, unlike piroxicam, displayed a carry-over effect and a better safety profile.^[1]

Diacerein has stimulating effect on TGF-beta1 and beta2 expression in articular chondrocytes cultured with and without interleukin-1.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Phosphate buffer-Acetonitrile =55:45(pH 3.0) ;

Flow rate: 0.6 ml/min;

Column temperature: 30 °C;

The wave length of determination:195 nm.

[Storage]

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

[References]

[1] Louthrenoo W, Nilganuwong S, Aksaranugraha S, *et al. Osteoarthritis Cartilage*, 2007 ,15(6):605-14.

[2] Felisaz N, Boumediene K, Ghayor C, *et al. Osteoarthritis and Cartilage*, 1999, 7(3): 255-64.

[3] Reddy U R M K H, Bobbarala V, Penumajji S. *J. Pharm. Res.* 2010(2):361-3.

[Contact]

Address:

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

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Wuhan, Hubei 430056,
China

Web: www.chemfaces.com

Tech Support: service@chemfaces.com