[ **Product Information** ]

**Name:** Bergenin  
**Catalog No.:** CFN98724  
**Cas No.:** 477-90-7  
**Purity:** $\geq 98\%$  
**M.F:** $C_{14}H_{16}O_9$  
**M.W:** 328.3

**Physical Description:** Powder  
**Synonyms:** 3,4,8,10-Tetrahydroxy-2-(hydroxymethyl)-9-methoxy-3,4,4a,10b-tetrahydropyrano[3,2-c]isochromen-6(2H)-one; 3,4,4a,10b-Tetrahydro-3,4,8,10-tetrahydroxy-2-(hydroxymethyl)-9-methoxypyrano[3,2-c][2]benzopyran-6(2H)-one.

[ **Intended Use** ]

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

[ **Source** ]

The herbs of *Bergenia purpurascens.*
[ Biological Activity or Inhibitors]

Bergenin has immunomodulatory effect, it shows anti-arthritic activity through possible modulation of Th1/Th2 cytokine balance.\[1\]

Bergenin shows hepatoprotective effects against galactosamine-intoxicated rat hepatocytes by inhibiting the release of glutamic pyruvic transaminase and sorbitol dehydrogenase as well as by increasing RNA synthesis.\[2\]

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Bergenin has antifungal activity against some plant pathogenic fungi. \[3\]

Bergenin has antioxidant potential, it has regenerative effect on pancreatic β cells, hence, it possesses significant antidiabetic, hypolipidemic and antioxidant activity in Type 2 diabetic rats.\[4\]

Bergenin has consistent antinociceptive and anti-inflammatory properties, acting by the inhibition of IL-1β and TNF-α production, and suggests its potential for the control of inflammatory pain.\[5\]

Bergenin is a potential anti-HIV agent of traditional Asian medicine, it also has antimicrobial activity.\[6,7\]

Bergenin has anticoagulant properties.\[8\]

[ Solvent ]

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

[ HPLC Method ]\[9\]

Mobile phase: Methanol-H2O =22:78;
Flow rate: 0.8 ml/min;
Column temperature: 40 °C;
The wave length of determination: 220 nm.

[ Storage ]
2-8℃, Protected from air and light, refrigerate or freeze.

[ References ]


[ Contact ]

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