[ **Product Information** ]

**Name:** Chrysin  
**Catalog No.:** CFN98741  
**Cas No.:** 480-40-0  
**Purity:** \( \geq 98\% \)  
**M.F:** \( C_{15}H_{10}O_4 \)  
**M.W:** 254.2  

**Physical Description:** Yellow powder  
**Synonyms:** 5,7-dihydroxy-2-phenyl-4h-benzo[b]pyran-4-one; Chrysine.

[ **Intended Use** ]

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

[ **Source** ]

The bark of *Oroxylum indicum*.

[ **Biological Activity or Inhibitors** ]

Chrysin is a natural, biologically active compound extracted from many plants, honey, and
propolis, it possesses potent anti-inflammation, anti-cancer, and anti-oxidation properties; it-induced apoptosis is mediated through caspase activation and Akt inactivation in U937 leukemia cells.[1]

Chrysin administration can significantly reduce the mitotic index and significantly increase the apoptotic index in 'normal appearing' crypts, suggests a possible chemopreventive activity of chrysin in the early step of colon tumorigenesis through modulation of cryptal cell proliferation activity and apoptosis.[2]

Chrysin possesses anxiolytic actions without inducing sedation and muscle relaxation, postulates that it is a partial agonist of the central benzodiazepine (BDZ) receptors.[3]

Chrysin as an effective chemopreventive agent having the capability to obstruct DEN initiated and Fe-NTA promoted renal cancer in the rat model.[4]

Chrysin, a naturally-occurring ligand for benzodiazepine receptors, with anticonvulsant properties.[5]

Chrysin acts as a hepatoprotective and antioxidant agent against d-galactosamine-induced hepatotoxicity.[6]

[ Solvent ]

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

[ HPLC Method ][7]

Mobile phase: Methanol- Acetonitrile- Orthophosphoric acid- Water=30:38:1:60;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 262 nm.

[ Storage ]

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


[ 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