[ **Product Information** ]

**Name:** 5,7-Dihydroxychromone  
**Catalog No.:** CFN97761  
**Cas No.:** 31721-94-5  
**Purity:** > 98%  
**M.F:** C9H6O4  
**M.W:** 178.14  

**Physical Description:** Powder  
**Synonyms:** 5,7-Dihydroxy-4-chromone; 5,7-Dihydroxy-4H-chromen-4-one; 5,7-Dihydroxy-γ-chromene-4-one.

[ **Intended Use** ]

1. Reference standards;  
2. Pharmacological research;  
3. Food and cosmetic research;  
4. Synthetic precursor compounds;  
5. Intermediates & Fine Chemicals;  
6. Ingredient in supplements, beverages;  
7. Aromatics;  
8. Others.

[ **Source** ]
The bark of *Garcinia cambogia*.

**[Biological Activity or Inhibitors]**

5,7-Dihydroxychromone (DHC) can inhibit the radial growth of cultures of the soil pathogenic fungi *Rhizoctonia solani* and *Sclerotium rolfsii* with $I_{50}$ (the concentrations of DHC required to inhibit growth 50%) values of 18 and 26uM, respectively; radicle elongation of velvetleaf, corn, peanut, and wheat was inhibited by DHC with $I_{50}$ values of 30, 50, 65 and 200uM, respectively; suggests that a role for DHC released from peanut shells in suppressing pathogenic fungal infection and competing plant growth but not for *Bradyrhizobium* growth promotion.[1]

5,7-Dihydroxychromone has neuroprotection against 6-OHDA-induced oxidative stress and apoptosis in SH-SY5Y cells by activation of the Nrf2/ARE pathway, this finding will give an insight that activating Nrf2/ARE signal could be a new potential therapeutic strategy for neurodegenerative disease.[2]

**[Solvent]**

Chloroform, Dichloromethane, DMSO, Acetone.

**[HPLC Method]**[3]

Mobile phase: Acetonitrile- 0.5% Aqueous acetic acid, gradient elution ;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 260 nm.

**[Storage]**

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

**[References]**


[Contact]

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