

Helichrysetin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Helichrysetin

Catalog No.: CFN97065

Cas No.: 62014-87-3

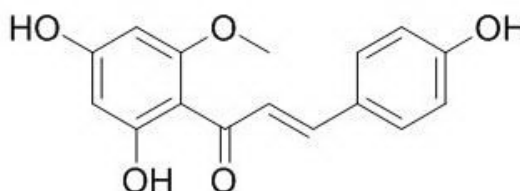
Purity: >95%

M.F: C₁₆H₁₄O₅

M.W: 286.28

Physical Description: Yellow powder

Synonyms:



[Intended Use]

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

[Source]

The fruits of *Alpinia katsumadai* Hayata.

[Biological Activity or Inhibitors]

Helichrysetin, a naturally occurring chalcone, has cytotoxic effect on four selected cancer

cell lines, A549, MCF-7, Ca Ski, and HT-29, suggests that helichrysetin has great potentials for development as an anticancer agent.^[1]

Helichrysetin has mild anti-HIV-1 PR activity.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: [Meathnol- acetonitrile(81:64)]-Buffer(pH=4.5)=50:50 ;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 287 nm.

[Storage]

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

[References]

[1] Ho Y F, Karsani S A, Yong W K, *et al. Evid.-based Compl. Alt. Med.*, 2013, 2013(1): 221-9.

[2] Cheenpracha S, Karalai C, Ponglimanont C, *et al. Bioorg. Med. Chem.*, 2006, 14(6): 1710-4.

[3]Qiao C F, Han Q B, Song J Z, *et al. Natural Product Research Development*, 2008, 20(3):472-3.

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