

Gomisin G Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Gomisin G

Catalog No.: CFN90123

Cas No.: 62956-48-3

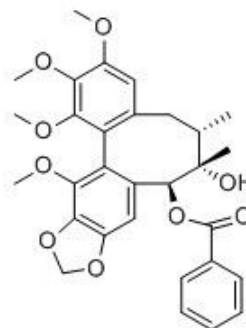
Purity: >=98%

M.F: C₃₀H₃₂O₉

M.W: 536.6

Physical Description: Powder

Synonyms:



[Intended Use]

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

[Source]

The fruits of *Schizandra chinensis*.

[Biological Activity or Inhibitors]

Gomisin G exhibits potent anti-HIV activity with EC₅₀ and therapeutic index (TI) values of

0.006 microgram/mL and 300, respectively.^[1]

Gomisin G is a drug candidate for treatment of cardiovascular disease, and it is a good substrate of CYP2C9, and can be easily affected by the inhibitors of CYP2C9.^[2]

Gomisin G exhibits anti-tumor activities, it is a drug candidate for anti-liver cancer therapy.^[3]

Gomisin C and gomisin G have inhibition of human CYP3A4 and CYP3A5 enzyme, they show high herb-drug interactions (HDI) potentials.^[4]

[Solvent]

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

[HPLC Method]^[5]

Mobile phase: Acetonitrile-H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 30°C;

The wave length of determination: 217 nm.

[Storage]

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

[References]

[1] Chen D F, Zhang S X, Xie L, *et al. Bioorg. Med. Chem.*, 1997 Aug;5(8):1715-23.

[2] Guo X J, Huang C X. *Lat. Am. J. Pharm.*, 2016,35 (1): 192-4.

[3] Xiaoyang L, Chenming N, Chengqing L, *et al. Afr. Health Sci.*, 2015 Jun;15(2):590-3.

[4] Zhao J, Sun T, Cao Y F, *et al. Fitoterapia.*, 2017 Mar 24;119:26-31.

[5] Hu J Y, Lu T L, Mao C Q, *et al. Chinese Traditional Patent Medicine*, 2012, 34 (2) :313

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