

Phaseollidin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Phaseollidin

Catalog No.: CFN98611

Cas No.: 37831-70-2

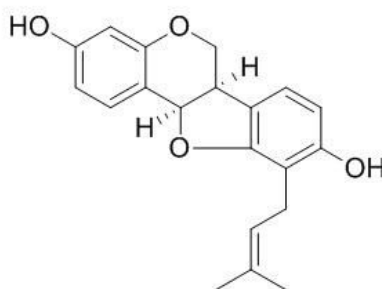
Purity: > 95%

M.F: C₂₀H₂₀O₄

M.W: 324.4

Physical Description: Powder

Synonyms: 6H-Benzofuro(3,2-c)(1)benzopyran-3,9-diol, 6a,11a-dihydro-10-(3-methyl-2-butenyl)-, (6aR,11aR)-; 6H-Benzofuro(3,2-c)(1)benzopyran-3,9-diol, 6a,11a-dihydro-10-(3-methyl-2-butenyl)-, (6aR-cis)-.



[Intended Use]

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

[Source]

The fruits of *Phaseolus vulgaris*.

[Biological Activity or Inhibitors]

Phaseollidin, a phytoalexin from *Phaseolus vulgaris*, has antifungal activity.^[1]

Phaseollidin has an effect in the anxious state on elevated plus maze test, can increase locomotory and exploratory activities of the mice; these results reveal the anti-anxiety properties of phaseollidin.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Methanol-0.5% Acetic acid in water, gradient elution ;

Flow rate: 0.7 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 270 nm.

[Storage]

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

[References]

[1] Perrin, D R, Biggs, D R, Cruickshank, I AM. *Aust. J. Chem.*, 1974, 27(27):1607-11.

[2] Emmanuel T, Dairou H, Jacqueline N, *et al. World J. Pharm .Sci.*, 2015; 3(9): 1763-75.

[3] Durango D, Pulgarin N, Gil J, *et al. Boletin Latinoamericano Y Del Caribe De Plantas Medicinales Y Aromaticas*, 2014, 13(4):381-405.

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