

Falcarinol Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Falcarinol

Catalog No.: CFN96027

Cas No.: 21852-80-2

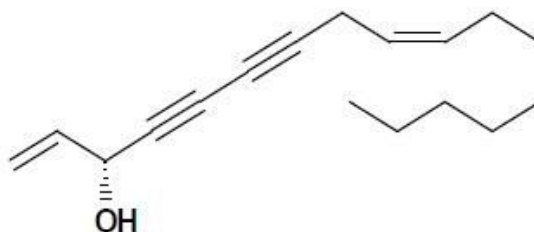
Purity: >=95%

M.F: C₁₇H₂₄O

M.W: 244.4

Physical Description: Oil

Synonyms: 1,9-Heptadecadiene-4,6-diyn-3-ol; (3R,9Z)-heptadeca-1,9-dien-4,6-diyn-3-ol; (S)-Falcarinol.



[Intended Use]

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

[Source]

The roots of *Saposhnikovia divaricata*.

[Biological Activity or Inhibitors]

Dietary polyacetylenes of the falcarinol type are inhibitors of breast cancer resistance protein (BCRP/ABCG2).^[1]

Dietary treatments with carrot and falcarinol can delay or retard the development of large aberrant crypt foci (ACF) and tumors.^[2]

Falcarinol is a covalent cannabinoid CB1 receptor antagonist and induces pro-allergic effects in skin.^[3]

[Solvent]

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

[HPLC Method]^[4]

Mobile phase: Methanol -H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 203 nm.

[Storage]

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

[References]

[1] Tan K W, Killeen D P, Li Y, *et al. Eur. J.Pharmacol.*, 2014, 723(1):346–52.

[2] Morten Kobæk Larsen ,L P C, Werner Vach , *et al. J. Agr. Food Chem.*, 2005, 53(5): 1823-7.

[3] Leonti M,Casu L, Raduner S,*et al. Biochem. Pharmacol.*, 2010, 79(12):1815-26.

[4] Young J F, Christensen L P, Theil P K, *et al. Dose-Response*, 2007, 6(3):239–51.

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