

Cyclooolivil Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Cyclooolivil

Catalog No.: CFN96185

Cas No.: 3064-05-9

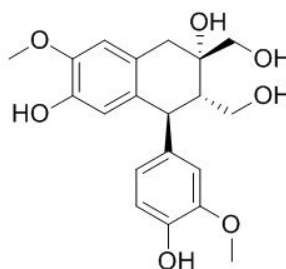
Purity: > 98%

M.F: C₂₀H₂₄O₇

M.W: 376.4

Physical Description: Powder

Synonyms: (1S)-1 α -(3-Methoxy-4-hydroxyphenyl)-3,7-dihydroxy-6-methoxy-1,2,3,4-tetrahydronaphthalene-2 β ,3 α -bismethanol; (2S)-2,3 α -Bis(hydroxymethyl)-4 β -(3-methoxy-4-hydroxyphenyl)-7-methoxytetralin-2 α ,6-diol.



[Intended Use]

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

[Source]

The herbs of *Maytenus hookeri* Loes.

[Biological Activity or Inhibitors]

(+)-Cyclooolivil and oleuropein are natural polyphenolic compounds with a significant radical scavenging activity present in olive tree, they can reduce the ability of thrombin to stimulate platelet aggregation, this effect is greater in platelets from patients with type 2 diabetes mellitus than in controls; suggest that they may prevent thrombotic complications associated to platelet hyperaggregability and be the base for the development of antiaggregant therapeutic strategies.^[1]

(+)-Cyclooolivil is an antioxidant. ^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: 0.2% Acetic acid in water- Methanol, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Zbidi H, Salido S, Altarejos J, *et al. Blood Cell. Mol. Dis.*, 2009, 42(3):279-85.

[2] Rao J M, Tiwari A K, Kumar U S, *et al. US 6562381 B2[P]*. 2003.

[3] Pérez-Bonilla M, Salido S, Beek T A V, *et al. J. Chromatogr. A*, 2006, 1112(1-2):311-8.

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