

7-O-Methyleriodictyol Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: 7-O-Methyleriodictyol

Catalog No.: CFN98833

Cas No.: 51857-11-5

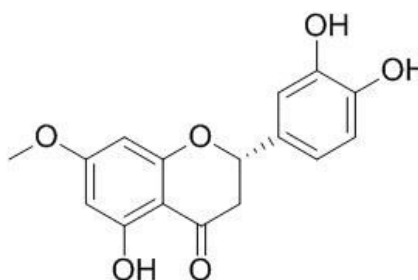
Purity: >95%

M.F: C₁₆H₁₄O₆

M.W: 302.3

Physical Description: Powder

Synonyms: Eriodictyol 7-methyl ether; Sternbin.



[Intended Use]

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

[Source]

The branch of *Viscum coloratum*.

[Biological Activity or Inhibitors]

7-O-methyleriodictyol, a known flavanone isolated from the genus *Artemisia*

(Compositae), it (10^{-7} M to 3×10^{-4} M) can cause concentration-dependent inhibition of the amplitude of the phasic contractions and reduce the tone of the ileum, the uterus, and the urinary bladder; it also can cause relaxation of the phenylephrine-precontracted pulmonary artery and the acetylcholine-precontracted trachea; these antispasmodic effects are partly consistent with the use of *A. monosperma* in folk medicine for certain gastrointestinal disorders.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Acetonitrile-0.1% Acetic acid=40:60 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 288 nm.

[Storage]

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

[References]

[1] Abuniaaj L, Abuzarga M, Sabri S, *et al. Planta Med.*, 1993, 59(1):42-5.

[2] Zhang Y Y, Qiao Y J. *Journal of Beijing University of Traditional Chinese Medicine*, 2008, 31(1):58-60.

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